



**BIOLOGIA  
MOLECOLARE**

**CATALOGO  
PCR-RT-QPCR**

*La scelta logica*



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**PCR****DNA POLYMERASES**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
12	G456	BESTAQ DNA POLYMERASE	100	units	1
12	G457	BESTAQ DNA POLYMERASE	400	units	1
12	G462	BLOODIRECT DNA POLYMERASE	100	units	1
12	G463	BLOODIRECT DNA POLYMERASE	400	units	1
12	G011	HOTSTART DNA POLYMERASE	250	units	1
12	G039	HOTSTART DNA POLYMERASE	1000	units	1
12	G498	KODAQ DNA POLYMERASE	250	units	1
12	G499	KODAQ DNA POLYMERASE	1000	units	1
13	G460	LONG-RANGE DNA POLYMERASE	100	units	1
13	G461	LONG-RANGE DNA POLYMERASE	400	units	1
13	G078	PRECISION TAQ DNA POLYMERASE, HIGH FIDELITY	500	units	1
13	G937	SENS TAQ HOTSTART DNA POLYMERASE	250	units	1
13	G938	SENS TAQ HOTSTART DNA POLYMERASE	1000	units	1
13	G008	TAQ DNA POLYMERASE (PCR)	5000	units	1
13	G009	TAQ DNA POLYMERASE (PCR)	1000	units	1
13	G126	TAQ DNA POLYMERASE (PCR)	1000	units	1
13	G012	TAQ PLUS DNA POLYMERASE	250	units	1
13	G040	TAQ PLUS DNA POLYMERASE	1000	units	1
14	G277	TAQFAST DNA POLYMERASE	250	units	1
14	G278	TAQFAST DNA POLYMERASE	1000	units	1

**PCR MASTERMIX**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
14	G280-DYE	2X PCR TAQFAST MASTERMIX WITH DYE	5	ml	1
15	G464	2X PCR BESTAQ MASTERMIX	5	ml	1
15	G013-DYE	2X PCR BESTAQ MASTERMIX WITH DYE	5	ml	1
16	G464-DYE	2X PCR BESTAQ MASTERMIX WITH DYE	5	ml	1
16	G906	2X PCR HOTSTART MASTERMIX	5	ml	1
17	G124	2X PCR PRECISION MASTERMIX	5	ml	1

## PCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
17	G124-DYE	2X PCR PRECISION MASTERMIX WITH DYE	5	ml	1
18	G939	2X PCR SENS TAQ HOTSTART MASTERMIX	5	ml	1
18	G939-DYE	2X PCR SENS TAQ HOTSTART MASTERMIX WITH DYE	5	ml	1
19	G906-DYE	2X PCR TAQ HOTSTART WITH DYE	5	ml	1
19	G013	2X PCR TAQ MASTERMIX	5	ml	1
19	G900	2X PCR TAQ MASTERMIX	25X1	ml	1
19	G900-DYE	2X PCR TAQ MASTERMIX WITH DYE	25X1	ml	1
20	G014	2X PCR TAQ PLUS MASTERMIX	5	ml	1
20	G901	2X PCR TAQ PLUS MASTERMIX	25X1	ml	1
20	G014-DYE	2X PCR TAQ PLUS MASTERMIX WITH DYE	5	ml	1
21	G901-DYE	2X PCR TAQ PLUS MASTERMIX WITH DYE	25X1	ml	1
21	G280	2X PCR TAQFAST MASTERMIX	5	ml	1
22	G465	BLOODIRECT 2X PCR MASTERMIX	5.0	ml	1
22	G497	KODAQ 2X PCR MASTERMIX	5	ml	1
23	G497-DYE	KODAQ 2X PCR MASTERMIX WITH DYE	5	ml	1
23	G934	PLANT EX-AMP EXTRACTION BUFFER SET	100	preps	1
24	G923	PLANT EX-AMP PCR KIT (WITH KODAQ MASTERMIX)	25	preps	1
24	G478	SAFEGREEN 2X PCR BESTAQ MASTERMIX	500	reactions	1
25	G472	SAFE-GREEN 2X PCR TAQ MASTERMIX	5	ml	1
25	G927	TISSUE EX-AMP PCR KIT (WITH KODAQ MASTERMIX)	100	preps	1

## DNTP MIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
25	02-31-00020	DNTP MIX (DATP, DCTP, DGTP AND DTTP)	20	μmol	1
25	02-31-00100	DNTP MIX (DATP, DCTP, DGTP AND DTTP)	100	μmol	1
25	02-21-00100	DNTP SET (DATP, DCTP, DGTP AND DTTP) 100 MM	100	μmol	1
25	02-21-00400	DNTP SET (DATP, DCTP, DGTP AND DTTP) 100 MM	400	μmol	1

## DNTP SET

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
26	02-41-00025	100 MM DUTP SODIUM SALT SOLUTION IN TE BUFFER	100	μmol	1

## DNA LADDER READY TO LOAD

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
26	07-11-00050	100 BP DNA LADDER READY TO LOAD	50	ug	1
26	07-12-00050	1 KB DNA LADDER READY TO LOAD	50	µg	1

## SAFEVIEW™ DNA STAINS

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
26	G108-G	SAFE-GREEN	1	ml	1
26	G108-R	SAFE-RED	1	ml	1
27	G108	SAFEVIEW CLASSIC	1	ml	1
27	G108-W	SAFE-WHITE	1	ml	1
27	G468	SAFEVIEW PLUS	1	ml	1

## PCR OPTIMIZATION KITS

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
27	G065	PCR-SURE KIT	12x5	reactions	1

## RT-PCR

### 5X ALL-IN-ONE RT MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
28	G485	5X ALL-IN-ONE RT MASTERMIX	25x10	reactions	1
28	G486	5X ALL-IN-ONE RT MASTERMIX	100x100	reactions	1
28	G490	5X ALL-IN-ONE RT MASTERMIX	200x10	µl	1
28	G492	5X ALL-IN-ONE RT MASTERMIX	200x10	µl	1
28	G590	5X ALL-IN-ONE RT MASTERMIX	1000x10	µl	1
28	G916	5X ALL-IN-ONE RT MASTERMIX (WITH EXCELLENCT LYSIS KIT)	100x20	µl	1

### FIRST-STRAND CDNA SYNTHESIS KIT

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
29	G233	ONESCRIPT CDNA SYNTHESIS KIT	25	reactions	1
29	G234	ONESCRIPT CDNA SYNTHESIS KIT	100	reactions	1
29	G235	ONESCRIPT PLUS CDNA SYNTHESIS KIT	25 x 20 µl	reactions	1
29	G236	ONESCRIPT PLUS CDNA SYNTHESIS KIT	100 x 20	µl	1
29	G491	ONESCRIPT CDNA SYNTHESIS KIT (WITH ACCURT GENOMIC DNA REMOVAL KIT)	100 x 20	µl	1

**FIRST-STRAND CDNA SYNTHESIS KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
29	G904	TOTAL-TRANSCRIPTOME CDNA SYNTHESIS KIT	25	reactions	1
29	G905	TOTAL-TRANSCRIPTOME CDNA SYNTHESIS KIT	100	reactions	1

**TWO-STEP RT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
30	G281	ONESCRIPT TWO-STEP RT-PCR KIT	25	reactions	1
30	G282	ONESCRIPT TWO-STEP RT-PCR KIT	100	reactions	1
30	G283	ONESCRIPT PLUS TWO-STEP RT-PCR KIT	25	reactions	1
30	G284	ONESCRIPT PLUS TWO-STEP RT-PCR KIT	100	reactions	1

**SECOND-STRAND CDNA SYNTHESIS KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
31	G475	SECOND STRAND CDNA SYNTHESIS KIT-DNTP BASED	25x50	µl	1
31	G476	SECOND-STRAND CDNA SYNTHESIS KIT-DNTP/DUTP BASED	25x50	µl	1

**FIRST-STRAND CDNA SYNTHESIS SUPERMIX**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
31	G451	ONESCRIPT CDNA SYNTHESIS SUPERMIX	25x20	µl	1
31	G452	ONESCRIPT CDNA SYNTHESIS SUPERMIX	100x20	µl	1
31	G453	ONESCRIPT PLUS CDNA SYNTHESIS SUPERMIX	25 x 20 µl	µl	1
31	G454	ONESCRIPT PLUS CDNA SYNTHESIS SUPERMIX	100 x 20 µl	µl	1

**REVERSE TRANSCRIPTASES**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
32	G231	ONESCRIPT REVERSE TRANSCRIPTASE	25x10	reactions	1
32	G232	ONESCRIPT REVERSE TRANSCRIPTASE	100x10	reactions	1
32	G177	ONESCRIPT PLUS REVERSE TRANSCRIPTASE	25 x 20	µl	1
32	G237	ONESCRIPT PLUS REVERSE TRANSCRIPTASE (PCR)	100 x 20	µl	1

**RT-PCR CONTROL KITS**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
32	G928	RT-PCR CONTROL TEMPLATE KIT	100	reactions	1

**ONE-STEP RT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
32	G174	ONE-STEP RT-PCR KIT	100 x 50 µl	reactions	1
33	G174-DYE	ONE-STEP RT-PCR KIT WITH DYE	100 x 50 µl	reactions	1

**ONE-STEP BRIGHTGREEN QRT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
33	G471-R	ONE-STEP BRIGHTGREEN QRT-PCR-ROX	100	reactions	1
34	G471-LR	ONE-STEP BRIGHTGREEN QRT-PCR-LOW ROX	100	reactions	1
34	G471-IC	ONE-STEP BRIGHTGREEN QRT-PCR-ICYCLER	100	reactions	1
35	G471-S	ONE-STEP BRIGHTGREEN QRT-PCR-NO DYE	100	reactions	1

**EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
35	G917-R	EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-ROX	25	reactions	1
36	G917-LR	EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-LOW ROX	25	reactions	1
36	G917-IC	EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-ICYCLER	25	reactions	1
36	G917-S	EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-NO DYE	25	reactions	1

**ONE-STEP TAQPROBE QRT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
37	G493-P	ONE-STEP TAQPROBE QRT-PCR-ROX	100	reactions	1
37	G493-PL	ONE-STEP TAQPROBE QRT-PCR-LOW ROX	100	reactions	1
38	G493-PC	ONE-STEP TAQPROBE QRT-PCR-ICYCLER	100	reactions	1
38	G493-PS	ONE-STEP TAQPROBE QRT-PCR-NO DYE	100	reactions	1

**EXCELLENCT ONE-STEP TAQPROBE QRT-PCR KIT**

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
39	G918-P	EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-ROX	100	reactions	1
39	G918-PL	EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-LOW ROX	100	reactions	1
39	G918-PC	EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-ICYCLER	100	reactions	1
40	G918-PS	EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-NO DYE	100	reactions	1

## CELL LYSIS/DNA & RNASE REMOVAL

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
40	G488	ACCURT GENOMIC DNA REMOVAL KIT	200	reactions	1
40	G915	EXCELLENCT LYSIS KIT	25	Preps	1
41	G028	DNASE I	1	ml	1
41	G138	RNASEOFF RIBONUCLEASE INHIBITOR	100	µl	1

## MIRNA CDNA SYNTHESIS KITS

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
41	G269	MIRNA CDNA SYNTHESIS KIT	25	reactions	1
41	G270	MIRNA CDNA SYNTHESIS KIT	100	reactions	1
42	G902	MIRNA CDNA SYNTHESIS KIT, WITH POLY(A) POLYMERASE TAILING	25	reactions	1
42	G903	MIRNA CDNA SYNTHESIS KIT, WITH POLY(A) POLYMERASE TAILING	100	reactions	1

## QPCR

### BRIGHTGREEN QPCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
42	MASTERMIX-IC	BRIGHTGREEN 2X QPCR MASTERMIX-ICYCLER	500	reactions	1
42	MASTERMIX-IC-XL	BRIGHTGREEN 2X QPCR MASTERMIX-ICYCLER	2000	reactions	1
43	MASTERMIX-LR	BRIGHTGREEN 2X QPCR MASTERMIX-LOW ROX	500	reactions	1
43	MASTERMIX-LR-XL	BRIGHTGREEN 2X QPCR MASTERMIX-LOW ROX	2000	reactions	1
43	MASTERMIX-R	BRIGHTGREEN 2X QPCR MASTERMIX-ROX	500	reactions	1
43	MASTERMIX-R-XL	BRIGHTGREEN 2X QPCR MASTERMIX-ROX	2000	reactions	1
44	MASTERMIX-S	BRIGHTGREEN 2X QPCR MASTERMIX-NO DYE	500	reactions	1
44	MASTERMIX-S-XL	BRIGHTGREEN 2X QPCR MASTERMIX-NO DYE	2000	reactions	1
44	MASTERMIX-5C	BRIGHTGREEN 5X QPCR MASTERMIX-ICYCLER	1000	reactions	1
44	MASTERMIX-5L	BRIGHTGREEN 5X QPCR MASTERMIX-LOW ROX	1000	reactions	1
45	MASTERMIX-5R	BRIGHTGREEN 5X QPCR MASTERMIX-ROX	1000	reactions	1
45	MASTERMIX-5S	BRIGHTGREEN 5X QPCR MASTERMIX-NO DYE	1000	reactions	1

### BRIGHTGREEN EXPRESS QPCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
45	MASTERMIX-ER	BRIGHTGREEN EXPRESS 2X QPCR MASTERMIX-ROX	500	reactions	1

## BRIGHTGREEN EXPRESS QPCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
45	MASTERMIX-EL	BRIGHTGREEN EXPRESS 2X QPCR MASTERMIX-LOW ROX	500	reactions	1
46	MASTERMIX-EC	BRIGHTGREEN EXPRESS 2X QPCR MASTERMIX-ICYCLER	500	reactions	1
46	MASTERMIX-ES	BRIGHTGREEN EXPRESS 2X QPCR MASTERMIX-NO DYE	500	reactions	1

## TAQPROBE QPCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
46	MASTERMIX-P	TAQPROBE 2X QPCR MASTERMIX-ROX	500	reactions	1
47	MASTERMIX-PL	TAQPROBE 2X QPCR MASTERMIX-LOW ROX	500	reactions	1
47	MASTERMIX-PC	TAQPROBE 2X QPCR MASTERMIX-ICYCLER	500	reactions	1
47	MASTERMIX-PS	TAQPROBE 2X QPCR MASTERMIX-NO DYE	500	reactions	1
47	MASTERMIX-PM	TAQPROBE 2X QPCR MASTERMIX-MULTIPLEX	500	reactions	1
48	MASTERMIX-5P	TAQPROBE 5X QPCR MASTERMIX-ROX	1000	reactions	1
48	MASTERMIX-5PL	TAQPROBE 5X QPCR MASTERMIX-LOW ROX	1000	reactions	1
48	MASTERMIX-5PC	TAQPROBE 5X QPCR MASTERMIX-ICYCLER	1000	reactions	1
48	MASTERMIX-5PS	TAQPROBE 5X QPCR MASTERMIX-NO DYE	1000	reactions	1
49	MASTERMIX-5PM	TAQPROBE 5X QPCR MASTERMIX-MULTIPLEX	1000	reactions	1

## KILOGREEN QPCR MASTERMIX

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
49	MASTERMIX-KR	KILOGREEN 2X QPCR MASTERMIX-ROX	500	reactions	1
49	MASTERMIX-KL	KILOGREEN 2X QPCR MASTERMIX-LOW ROX	500	reactions	1
49	MASTERMIX-KC	KILOGREEN 2X QPCR MASTERMIX-ICYCLER	500	reactions	1
50	MASTERMIX-KS	KILOGREEN 2X QPCR MASTERMIX-NO DYE	500	reactions	1

## QPCR CONTROL KITS

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
50	G929	QPCR CONTROL TEMPLATE KIT	100	reactions	1

## PLATES

Rif. Pag.	Codice	Descrizione Prodotto	Conf.		Pezzi
50	T323-100N	10	NO	0,2	100
50	T323-101N	10	NO	0,2	100
50	T323-103N	10	NO	0,2	100
50	T323-104N	10	NO	0,1	100



## PCR

### DNA POLYMERASES

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G456</b>	<p>BESTAQ DNA POLYMERASE is a newly engineered polymerase with superior fidelity and robustness. Bestaq's unique, single-enzyme structure results in enhanced processivity, yield, speed, amplification length and tolerates even the most difficult templates. This enzyme is the ideal choice for any PCR application and is the perfect choice for cloning difficult, both AT- and GC-rich, or long amplicons. With one of the highest fidelities available on the market, over 50X better than Taq DNA polymerase, Bestaq DNA polymerase will consolidate all PCR protocols and reactions into one efficient system. This thermostable enzyme generates blunt end products and has 5'-3' polymerase activity and 3'-5' proofreading exonuclease activity.</p>	100	units	1
<b>G457</b>		400	units	1
<b>G462</b>	<p>BLOODIRECT DNA POLYMERASE (PCR). Extraction-free DNA amplification from whole blood samples with Bloodirect DNA Polymerase. With this unique enzyme, DNA can be amplified in reactions containing up to 20% (v/v) whole blood sample without a separate DNA purification step. As a result, the use of Bloodirect DNA Polymerase offers an overall reduction in contamination risk, experimental run time, and cost of genetic testing. With Bloodirect DNA Polymerase, you can; Eliminate lengthy DNA purification steps; Achieve direct amplification from fresh or frozen blood preserved in EDTA, citrate or heparin.</p>	100	units	1
<b>G463</b>		400	units	1
<b>G011</b>	<p>HOTSTART DNA POLYMERASE. Problems with non-specific amplification and primer-dimer formation? Try HotStart DNA Polymerase. HotStart DNA Polymerase contains a proprietary antibody that blocks polymerase activity at low temperatures. During the initial denaturation step at 94°C, the antibody dissociates from Taq DNA polymerase and restores enzyme activity. This feature significantly reduces non-specific product formations that would otherwise compete for reagent availability. Thus, HotStart DNA Polymerase offers improved yield of desired PCR products. With HotStart DNA Polymerase, you can achieve; The highest specificity with minimal background; Superior performance; Improved yield of desired product.</p>	250	units	1
<b>G039</b>		1000	units	1
<b>G498</b>	<p>KODAK DNA POLYMERASE. Kodacq DNA Polymerase is the solution for a robust PCR system with high fidelity and yield. Kodacq DNA Polymerase is a novel DNA polymerase with strategically engineered mutations resulting in a robust, high fidelity polymerase. Kodacq DNA polymerase has exceptional 3' to 5' exonuclease activity that endows it with superior accuracy over competitor polymerases. This novel enzyme has intrinsically high processivity and is engineered to have an improved binding affinity for DNA resulting in highly successful PCR. The Kodacq DNA Polymerase advanced and sophisticated buffer system not only tolerates high AT and GC content, but also many PCR inhibitors commonly found in a typical DNA sample. Key Features: High fidelity PCR; Robust PCR performance, resistant to most PCR inhibitors commonly found in samples (including plant samples); PCR success with A/T and G/C rich templates; Highly processive, for high yield amplification.</p>	250	units	1
<b>G499</b>		1000	units	1

## DNA POLYMERASES

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G460</b>	LONG-RANGE DNA POLYMERASE. Long-Range DNA Polymerase will end your fight. Long-Range DNA polymerase is capable of amplifying templates up to 20kb with minimal optimization. Coupled with superb performance, this enzyme's enhanced extension rate drastically reduces the overall reaction time.	100	units	1
<b>G461</b>	Long-Range DNA polymerase is the ideal choice for generating long PCR products with extreme sensitivity and processivity. With Long-Range DNA Polymerase, you can expect; High-speed PCR without compromising accuracy; High-processivity to reduce reaction time by up to 70%; Efficient amplification of DNA templates up to 20kb.	400	units	1
<b>G078</b>	PRECISION DNA POLYMERASE, is a thermostable enzyme that replicates DNA at 70°C to 80°C. Unlike Taq DNA Polymerase, it exhibits 3' to 5' exonuclease (proofreading) activity, that enables the polymerase to correct nucleotide incorporation errors. The enzyme can be used in PCR applications that demand high fidelity and can amplify templates up to 6 kb in length. The amplified PCR products are blunt-ended. Application: whole genome sequencing; site-directed mutagenesis; blunt-end cloning; specific amplification of difficult templates (i.e. GC-rich); low copy PCR assays.	500	units	1
<b>G937</b>	SENS TAQ HOTSTART DNA POLYMERASE. SensTaq HotStart DNA Polymerase is a novel antibody-based hotstart DNA polymerase containing a dsDNA binding subunit. The hotstart capability of the enzyme gives its high specificity while the subunit boosts the enzyme's sensitivity and processivity.	250	units	1
<b>G938</b>	SensTaq HotStart DNA Polymerase has 5' to 3' exonuclease activity but lacks 3' to 5' proofreading activity, and it is able to amplify products upto 1.5 kb in length containing a single base (A) overhang on the 3' ends.	1000	units	1
<b>G008</b>	TAQ DNA POLYMERASE (PCR). Microgem 's Taq DNA polymerase offers consistent results across a wide range of DNA templates with excellent yield and sensitivity. This conventional polymerase is most suitable for PCR applications where less emphasis is required on fidelity. With Microgem's Taq DNA Polymerase, you can expect; Robust PCR performance with great reproducibility; High sensitivity.	5000	units	1
<b>G009</b>		1000	units	1
<b>G126</b>	TAQ DNA POLYMERASE (PCR). Routine amplification in a cost-effective way Taq DNA Polymerase is the answer. Taq DNA polymerase offers consistent results across a wide range of DNA templates with excellent yield and sensitivity. This conventional polymerase is most suitable for PCR applications where less emphasis is required on fidelity. With Taq DNA Polymerase, you can expect: Robust PCR performance with great reproducibility; High sensitivity.	1000	units	1
<b>G012</b>	TAQ PLUS DNA POLYMERASE (PCR). Cost-effective quick PCR with improved fidelity With Microgem 's Taq Plus DNA Polymerase. Microgem 's Taq Plus DNA polymerase employs an optimized two-polymerase blend that provides high product yield, sensitivity and fidelity. Taq Plus DNA Polymerase can be used in a variety of general PCR experiments, providing improved efficiency and performance at a reduced cost. With Microgem 's Taq Plus DNA Polymerase, you can expect; Improved sensitivity and fidelity compared to conventional Taq DNA Polymerase; Robust and consistent performance across a wide range of templates; An economical alternative to Taq DNA Polymerase.	250	units	1
<b>G040</b>		1000	units	1

## DNA POLYMERASES

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G277</b>	<p style="text-align: center;">TAQFAST DNA POLYMERASE.</p> <p>Short on time TaqFast DNA Polymerase to the rescue. With extension rate as fast as 10 sec/kb (compared to 60 sec/kb with regular Taq), TaqFast DNA polymerase offers the ultimate speed to dramatically reduce total reaction time. In addition to improved processivity, TaqFast DNA polymerase also possesses moderate 3'-5' proofreading activity, making this enzyme well suited for high-throughput PCR. With TaqFast DNA Polymerase, you can expect; High-speed PCR without compromising accuracy; High-processivity to reduce reaction time by 80%.</p>	250	units	1
<b>G278</b>		1000	units	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G280-DYE</b>	<p style="text-align: center;">2X PCR TAQFAST MasterMix with dye.</p> <p>The TaqFast DNA polymerase is a uniquely engineered version of Taq DNA polymerase which allows it to achieve rapid PCR amplification. This member of PCR polymerase product series is the perfect solution to ultimate speed and dramatically reduced reaction time. 2X PCR TaqFast MasterMix is a ready-to-use mixture containing TaqFast DNA polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for reproducible, efficient and high yield amplification of DNA. The 2X PCR TaqFast MasterMix with dye (Cat. No. G280-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front in the gel.</p> <p>TaqFast DNA polymerase is capable of an extension speed of 6 kb/min – 6 times faster than the regular Taq polymerase. This polymerase catalyzes the 5' – 3' synthesis of DNA. It possesses 5' – 3' exonuclease activity and moderate 5' – 3' proofreading exonuclease activity: making it the ideal choice for high through-put PCR. TaqFast DNA polymerase generates blunt-end PCR products, but a template-independent "A" can be attached at the 3' end of the PCR product which can then be cloned into TA cloning vectors for downstream applications. Key Features: and Benefits - Saves preparation time by combining TaqFast DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. - Provides consistent reaction performance and results</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G464</b>	<p>2X PCR BESTAQ MasterMix is a ready-to-use mixture containing Bestaq™ DNA Polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for an efficient, high-yield amplification of DNA. The 2X PCR Bestaq™ MasterMix with dye (Cat. No. G464-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, and the yellow band indicates the migrating front in the gel. Bestaq™, with its superior fidelity and extreme robustness, is one of the best-performing DNA polymerases available on the market. With its monomeric, unique topological structure, Bestaq™ DNA Polymerase possesses enhanced processivity, elevated yield, boosted speed, extended amplification length, and improved difficult template tolerance. This high-performing polymerase and its MasterMix are the ideal choice for any PCR application, especially for cloning difficult templates, amplifying A/T- and G/C-rich sequences, and replicating long amplicons. With over 50X more accuracy than Taq DNA polymerase, Bestaq™ DNA Polymerase and its MasterMix can consolidate all PCR protocols and reactions into one simple, efficient, and extremely reliable PCR system. Bestaq™ DNA Polymerase generates blunt-end PCR products and has both 5'-3' polymerase activity and 3'-5' proofreading exonuclease activity. Key Features: and Benefits - Saves preparation time by combining Bestaq™ DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G013-DYE</b>	<p>2X PCR TAQ MasterMix with dye a ready-to-use mixture of high-quality Taq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining Taq DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

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<b>G464-DYE</b>	<p>2X PCR BESTAQ MasterMix with dye is a ready-to-use mixture containing Bestaq™ DNA Polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for an efficient, high-yield amplification of DNA. The 2X PCR Bestaq™ MasterMix with dye (Cat. No. G464-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, and the yellow band indicates the migrating front in the gel. Bestaq™, with its superior fidelity and extreme robustness, is one of the best-performing DNA polymerases available on the market. With its monomeric, unique topological structure, Bestaq™ DNA Polymerase possesses enhanced processivity, elevated yield, boosted speed, extended amplification length, and improved difficult template tolerance. This high-performing polymerase and its MasterMix are the ideal choice for any PCR application, especially for cloning difficult templates, amplifying A/T- and G/C-rich sequences, and replicating long amplicons. With over 50X more accuracy than Taq DNA polymerase, Bestaq™ DNA Polymerase and its MasterMix can consolidate all PCR protocols and reactions into one simple, efficient, and extremely reliable PCR system. Bestaq™ DNA Polymerase generates blunt-end PCR products and has both 5'-3' polymerase activity and 3'-5' proofreading exonuclease activity. Key Features: and Benefits - Saves preparation time by combining Bestaq™ DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G906</b>	<p style="text-align: center;">2X PCR HOTSTART MasterMix.</p> <p>The 2X PCR HotStart MasterMix is a ready-to-use mixture of high quality HotStart DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. HotStart DNA Polymerase contains a proprietary antibody that blocks polymerase activity at low temperatures. During the initial denaturation step at 94°C, the antibody dissociates from Taq DNA polymerase and restores enzyme activity. This feature significantly reduces non-specific product formations that would otherwise compete for reagent availability. Thus, HotStart DNA Polymerase offers improved yield of desired PCR products. The 2X PCR HotStart MasterMix with dye contains, in addition, an inert green dye blend and a stabilizer which allows for direct loading of the final products onto a gel for analysis. The green dye blend resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front in the gel. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining HotStart DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G124</b>	<p style="text-align: center;">2X PCR PRECISION MasterMix.</p> <p>The PrecisionTaq DNA polymerase is a thermostable product in PCR series with outstanding fidelity due to its 3' to 5' proofreading activity. The newly introduced 2X PCR Precision™ MasterMix is a ready-to-use mixture containing Precision Taq DNA polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for reproducible, efficient and high yield amplification of DNA. The 2X PCR Precision MasterMix with dye (Cat. No. G124-dye) contains a proprietary blend of inert blue dye and stabilizer in precisely balanced proportions. This allows easy, direct loading of the final PCR products onto a gel for analytical electrophoresis. Precision Taq DNA polymerase possesses excellent thermostability which allows it to replicate DNA at 70°C - 80°C. It catalyzes the polymerization of nucleotides into duplex DNA in the 5' to 3' direction in the presence of magnesium. The enzyme has a molecular weight of approximately 90 kDa. Unlike Taq DNA Polymerase, Precision Taq DNA Polymerase exhibits 3' to 5' exonuclease (proofreading) activity, which enables the polymerase to correct errors in nucleotide incorporation. As a result, the error rate of Precision Taq DNA Polymerase is 2.6 x 10<sup>-6</sup> per nucleotide per cycle. The enzyme is ideal for PCR applications that demand high fidelity and can amplify templates up to 6 kb in length. The amplified PCR products are blunt-ended. Key Features: and Benefits - Saves preparation time by combining Precision Taq DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G124-DYE</b>	<p style="text-align: center;">2X PCR PRECISION MasterMix with dye.</p> <p>The PrecisionTaq DNA polymerase is a thermostable product in PCR series with outstanding fidelity due to its 3' to 5' proofreading activity. The newly introduced 2X PCR Precision™ MasterMix is a ready-to-use mixture containing Precision Taq DNA polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for reproducible, efficient and high yield amplification of DNA. The 2X PCR Precision MasterMix with dye (Cat. No. G124-dye) contains a proprietary blend of inert blue dye and stabilizer in precisely balanced proportions. This allows easy, direct loading of the final PCR products onto a gel for analytical electrophoresis. Precision Taq DNA polymerase possesses excellent thermostability which allows it to replicate DNA at 70°C - 80°C. It catalyzes the polymerization of nucleotides into duplex DNA in the 5' to 3' direction in the presence of magnesium. The enzyme has a molecular weight of approximately 90 kDa. Unlike Taq DNA Polymerase, Precision Taq DNA Polymerase exhibits 3' to 5' exonuclease (proofreading) activity, which enables the polymerase to correct errors in nucleotide incorporation. As a result, the error rate of Precision Taq DNA Polymerase is 2.6 x 10<sup>-6</sup> per nucleotide per cycle. The enzyme is ideal for PCR applications that demand high fidelity and can amplify templates up to 6 kb in length. The amplified PCR products are blunt-ended. Key Features: and Benefits - Saves preparation time by combining Precision Taq DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G939</b>	<p>2X PCR SENS TAQ HOTSTART MasterMix.</p> <p>2X PCR SensTaq HotStart MasterMix is a ready-to-use mixture containing SensTaq HotStart DNA Polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for an efficient and sensitive amplification of DNA.</p> <p>The 2X PCR SensTaq HotStart MasterMix with dye (Cat. No. G939-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, and the yellow band indicates the migrating front in the gel.</p> <p>SensTaq HotStart DNA Polymerase is a novel antibody-based hotstart DNA polymerase containing a dsDNA binding subunit. The hotstart capability of the enzyme gives its high specificity while the subunit boosts the enzyme's sensitivity and processivity. SensTaq HotStart DNA Polymerase has 5' to 3' exonuclease activity but lacks 3' to 5' proofreading activity, and it is able to amplify products upto 1.5 kb in length containing a single base (A) overhang on the 3' ends. Key Features: and Benefits Saves preparation time by combining SensTaq HotStart DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G939-DYE</b>	<p>2X PCR SENS TAQ HOTSTART MasterMix with dye.</p> <p>2X PCR SensTaq HotStart MasterMix is a ready-to-use mixture containing SensTaq HotStart DNA Polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for an efficient and sensitive amplification of DNA.</p> <p>The 2X PCR SensTaq HotStart MasterMix with dye (Cat. No. G939-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, and the yellow band indicates the migrating front in the gel.</p> <p>SensTaq HotStart DNA Polymerase is a novel antibody-based hotstart DNA polymerase containing a dsDNA binding subunit. The hotstart capability of the enzyme gives its high specificity while the subunit boosts the enzyme's sensitivity and processivity. SensTaq HotStart DNA Polymerase has 5' to 3' exonuclease activity but lacks 3' to 5' proofreading activity, and it is able to amplify products upto 1.5 kb in length containing a single base (A) overhang on the 3' ends. Key Features: and Benefits Saves preparation time by combining SensTaq HotStart DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture.Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G906-DYE</b>	<p>2X PCR HOTSTART MasterMix with dye.</p> <p>The 2X PCR HotStart MasterMix is a ready-to-use mixture of high quality HotStart DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. HotStart DNA Polymerase contains a proprietary antibody that blocks polymerase activity at low temperatures. During the initial denaturation step at 94°C, the antibody dissociates from Taq DNA polymerase and restores enzyme activity. This feature significantly reduces non-specific product formations that would otherwise compete for reagent availability. Thus, HotStart DNA Polymerase offers improved yield of desired PCR products. The 2X PCR HotStart MasterMix with dye contains, in addition, an inert green dye blend and a stabilizer which allows for direct loading of the final products onto a gel for analysis. The green dye blend resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front in the gel. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining HotStart DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G013</b>	<p>2X PCR TAQ MasterMix is a ready-to-use mixture of high-quality Taq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining Taq DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G900</b>	<p>2X PCR TAQ MasterMix with dye is a ready-to-use mixture of high quality Taq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining Taq DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	25X1	ml	1
<b>G900-DYE</b>	<p>2X PCR TAQ MasterMix with dye is a ready-to-use mixture of high quality Taq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Key Features: and Benefits - Saves preparation time by combining Taq DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	25X1	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G014</b>	<p>2X PCR TAQ PLUS MasterMix is a ready-to-use mixture of high-quality Taq Plus DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq Plus MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products, amplified up to 6 kb in length with Taq Plus DNA Polymerase, contain a mixture of blunt ends and single base (A) 3' overhang. The error rate of this PCR amplification is <math>7.5 \times 10^{-6}</math> per nucleotide per cycle. The products can be used for direct T/A cloning, but its efficiency is not as high as PCR products amplified with Taq DNA Polymerase alone. Key Features: and Benefits - Saves preparation time by combining Taq Plus DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1
<b>G901</b>	<p>2X PCR TAQ PLUS MasterMix is a ready-to-use mixture of high quality Taq Plus DNA Polymerase, deoxynucleotides, and 2X reaction buffer. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq Plus MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products, amplified up to 6 kb in length with Taq Plus DNA Polymerase, contain a mixture of blunt ends and single base (A) 3' overhang. The error rate of this PCR amplification is <math>7.5 \times 10^{-6}</math> per nucleotide per cycle. The products can be used for direct T/A cloning, but its efficiency is not as high as PCR products amplified with Taq polymerase alone. Key Features: and Benefits Saves preparation time by combining Taq Plus DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	25X1	ml	1
<b>G014-DYE</b>	<p>2X PCR TAQ PLUS MasterMix is a ready-to-use mixture of high-quality Taq Plus DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA. The 2X PCR Taq Plus MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products, amplified up to 6 kb in length with Taq Plus DNA Polymerase, contain a mixture of blunt ends and single base (A) 3' overhang. The error rate of this PCR amplification is <math>7.5 \times 10^{-6}</math> per nucleotide per cycle. The products can be used for direct T/A cloning, but its efficiency is not as high as PCR products amplified with Taq DNA Polymerase alone. Key Features: and Benefits - Saves preparation time by combining Taq Plus DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G901-DYE</b>	<p>2X PCR TAQ PLUS MasterMix with dye is a ready-to-use mixture of high quality Taq Plus DNA Polymerase, deoxynucleotides, and 2X reaction buffer. It contains all the necessary reagents for amplification of DNA.</p> <p>The 2X PCR Taq Plus MasterMix with dye contains an inert blue dye and a stabilizer which allow direct loading of the final products onto a gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products, amplified up to 6 kb in length with Taq Plus DNA Polymerase, contain a mixture of blunt ends and single base (A) 3' overhang. The error rate of this PCR amplification is <math>7.5 \times 10^{-6}</math> per nucleotide per cycle. The products can be used for direct T/A cloning, but its efficiency is not as high as PCR products amplified with Taq polymerase alone.</p> <p>Key Features: and Benefits - Saves preparation time by combining Taq Plus DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	25X1	ml	1
<b>G280</b>	<p>2X PCR TAQFAST MasterMix. The TaqFast DNA polymerase is a uniquely engineered version of Taq DNA polymerase which allows it to achieve rapid PCR amplification. This member of PCR polymerase product series is the perfect solution to ultimate speed and dramatically reduced reaction time. 2X PCR TaqFast MasterMix is a ready-to-use mixture containing TaqFast DNA polymerase, dNTPs, and reaction buffer with proprietary additives in a 2X concentration. It contains all the necessary reagents for reproducible, efficient and high yield amplification of DNA. The 2X PCR TaqFast MasterMix with dye (Cat. No. G280-dye) contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front in the gel. TaqFast DNA polymerase is capable of an extension speed of 6 kb/min – 6 times faster than the regular Taq polymerase. This polymerase catalyzes the 5' – 3' synthesis of DNA. It possesses 5' – 3' exonuclease activity and moderate 5' – 3' proofreading exonuclease activity: making it the ideal choice for high through-put PCR. TaqFast DNA polymerase generates blunt-end PCR products, but a template-independent "A" can be attached at the 3' end of the PCR product which can then be cloned into TA cloning vectors for downstream applications. Key Features: and Benefits - Saves preparation time by combining TaqFast DNA Polymerase, dNTPs and reaction buffer into a ready-to-use mixture. Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G465</b>	<p style="text-align: center;"><b>BLOODIRECT 2X PCR MasterMix.</b></p> <p>Streamline your PCR with abm's 2X PCR MasterMix. Abm's 2X PCR MasterMix provides all ingredients necessary for PCR in a premixed and optimized format that simplifies the PCR workflow. Utilizing different Taq DNA Polymerases, abm offers a variety of highly sensitive MasterMixes to accommodate a wide range of DNA templates and performance needs. abm's MasterMix with dye includes, in addition, an inert blue dye and a stabilizer which allow for direct loading of the PCR product(s) onto an agarose gel. The use of Bloodirect DNA Polymerase in this MasterMix offers: Elimination of lengthy DNA purification steps - Direct amplification from fresh or frozen blood preserved in EDTA, citrate or heparin. 1. Whole blood samples containing sodium citrate, sodium EDTA, potassium EDTA, or sodium heparin are recommended. 2. Blood volume higher than 10 % (v/v) would increase the difficulties in recovering aqueous supernatant from blood cell debris that remains after PCR. 3. Dry blood stored on Guthrie cards or 903 cards (Whatman, NJ) can be used directly by adding 1 mm punch disc to PCR reaction 4. For blood stored on FTA cards (Whatman, NJ), first incubate a 1 mm punch disc in 50 µl of water at 55°C for 5 minutes, then discard the water and use the disc directly in PCR reaction. 6. Up to 10% (v/v) DMSO can be used for high-GC targets.</p>	5.0	ml	1
<b>G497</b>	<p style="text-align: center;"><b>KODAQ 2X PCR MasterMix.</b></p> <p>Kodacq DNA Polymerase is a novel DNA polymerase with strategically engineered mutations resulting in a robust, high-fidelity polymerase. Kodacq DNA polymerase has exceptional 3' to 5' exonuclease activity that endows it with superior accuracy over competitor polymerases. This novel enzyme has intrinsically high processivity and is engineered to have an improved binding affinity for DNA resulting in highly successful PCR. Kodacq 2X PCR MasterMix is a ready-to-use mixture containing all the necessary reagents for highly successful amplification of DNA (high-fidelity DNA Polymerase, deoxynucleotides, reaction buffer and a sophisticated blend of additives in a 2X concentration). The Kodacq 2X PCR MasterMix advanced buffer system not only tolerates A/T- and G/C-rich content, but also many PCR inhibitors commonly found in a typical DNA sample. Kodacq 2X PCR MasterMix is the most robust PCR MasterMix commercially available and will deliver an exceptional product yield with high fidelity. Kodacq 2X PCR MasterMix with dye contains an inert green dye mixture and a stabilizer which allow for direct loading of the final PCR products onto an agarose gel for analysis. The green dye resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of the gel electrophoresis, and the yellow band indicates the migrating front of the gel. To set up a PCR reaction: Add DNA template, primers and water. Blunt-ended PCR products up to 13 kb in length can be amplified with Kodacq 2X PCR MasterMix. Key Features: and Benefits - Saves preparation time by combining DNA Polymerase, dNTPs and reaction buffer in a ready-to-use 2X mixture. - Robust PCR performance with high yield and superb fidelity. Compatible with plant DNA templates. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent performance and results.</p>	5	ml	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G497-DYE</b>	<p style="text-align: center;">KODAQ 2X PCR MasterMix with dye.</p> <p>Kodacq DNA Polymerase is a novel DNA polymerase with strategically engineered mutations resulting in a robust, high-fidelity polymerase. Kodacq DNA polymerase has exceptional 3' to 5' exonuclease activity that endows it with superior accuracy over competitor polymerases. This novel enzyme has intrinsically high processivity and is engineered to have an improved binding affinity for DNA resulting in highly successful PCR. Kodacq 2X PCR MasterMix is a ready-to-use mixture containing all the necessary reagents for highly successful amplification of DNA (high-fidelity DNA Polymerase, deoxynucleotides, reaction buffer and a sophisticated blend of additives in a 2X concentration). The Kodacq 2X PCR MasterMix advanced buffer system not only tolerates A/T- and G/C-rich content, but also many PCR inhibitors commonly found in a typical DNA sample. Kodacq 2X PCR MasterMix is the most robust PCR MasterMix commercially available and will deliver an exceptional product yield with high fidelity. Kodacq 2X PCR MasterMix with dye contains an inert green dye mixture and a stabilizer which allow for direct loading of the final PCR products onto an agarose gel for analysis. The green dye resolves during gel electrophoresis into a turquoise band at ~4000 bp and a yellow band at the ~50 bp region. The resolving bands of dye allow easy visualization of the real time progress of the gel electrophoresis, and the yellow band indicates the migrating front of the gel. To set up a PCR reaction: Add DNA template, primers and water. Blunt-ended PCR products up to 13 kb in length can be amplified with Kodacq 2X PCR MasterMix. Key Features: and Benefits - Saves preparation time by combining DNA Polymerase, dNTPs and reaction buffer in a ready-to-use 2X mixture. - Robust PCR performance with high yield and superb fidelity. - Compatible with plant DNA templates.Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent performance and results.</p>	5	ml	1
<b>G934</b>	<p style="text-align: center;">PLANT EX-AMP EXTRACTION BUFFER.</p> <p>Set offers the ultimate convenience for plant gDNA extraction. The hassle-free gDNA extraction process eliminates the conventional freezing of plant tissues with liquid nitrogen, mechanical disruption, organic extraction, column DNA purification, or alcohol precipitation. It only takes 15 easy minutes to "vortex-boil-vortex" a small piece of plant sample in proprietary extraction buffer to obtain PCR-ready template. The kit is highly recommended to be coupled with sophisticated Kodacq 2X PCR MasterMix with dye that allows an unbeatable robustness and extreme fidelity in a streamlined and efficient PCR setup. It is also very effective against some commonly known difficult samples such as pine-tree-like samples. Key Features: and Benefits No time-consuming DNA purification steps.Only small amount of sample needed.Simple universal protocol for various plant samples.</p>	100	preps	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G923</b>	<p>PLANT EX-AMP PCR Kit (with Kodaq MasterMix).                      Plant Ex-Amp PCR Kit offers the ultimate convenience for plant PCR. The hassle-free gDNA extraction process eliminates the conventional freezing of plant tissues with liquid nitrogen, mechanical disruption, organic extraction, column DNA purification, or alcohol precipitation. It only takes 15 easy minutes to “vortex-boil-vortex” a small piece of plant sample in proprietary extraction buffer to obtain PCR-ready template. The kit comes with sophisticated Kodaq 2X PCR MasterMix with dye that allows an unbeatable robustness and extreme fidelity in a streamlined and efficient PCR setup. Plant Ex-Amp PCR Kit is also very effective against some commonly known difficult samples such as pine-tree-like samples. Kodaq 2X PCR MasterMix with dye contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front on the gel.                      Key Features: and Benefits - No time-consuming DNA purification steps. - Only small amount of sample needed. Simple universal protocol for various plant samples. Kodaq 2X PCR MasterMix with dye for robust and gel-loading-ready PCR.</p>	25	preps	1
<b>G478</b>	<p>SAFEGREEN 2X PCR BESTAQ MasterMix is a ready-to-use mixture containing Bestaq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA along with an inert blue dye, a proprietary amount of SafeGreen reagent and a stabilizer which allow direct loading of the final products onto an ethidium-bromide-free gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 10 kb in length with SafeGreen 2X PCR Bestaq MasterMix are blunt-ended. SafeGreen is proven to be non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests. Bestaq, with its superior fidelity and extreme robustness, is one of the best-performing DNA polymerases available on the market. With its monomeric, unique topological structure, Bestaq DNA Polymerase possesses enhanced processivity, elevated yield, boosted speed, extended amplification length, and improved difficult template tolerance. This highperforming polymerase and its mastermix are the ideal choice for any PCR application, especially for cloning difficult templates, amplifying A/T- and G/C- rich sequences, and replicating long amplicons. With over 50X more accuracy than Taq DNA polymerase, Bestaq DNA Polymerase and its mastermix can consolidate all PCR protocols and reactions into one simple, efficient, and extremely reliable PCR system. Bestaq DNA Polymerase generates blunt-end PCR products and has both 5'-3' polymerase activity as well as 3'-5' proofreading exonuclease activity. SAFEGREEN 2X qPCR MasterMix-Low ROX. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features; Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up. Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments. Application: Gene-expression analysis; Gene knockdown validation; Microarray validation; High throughput applications; Virus detection and quantification.</p>	500	reactions	1

## PCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G472</b>	<p>SAFE-GREEN 2X PCR TAQ MasterMix.</p> <p>The Safe-Green 2X PCR Taq MasterMix is a ready-to-use mixture of high quality Taq DNA Polymerase, deoxynucleotides, and reaction buffer in a 2X concentration. It contains all the necessary reagents for amplification of DNA along with an inert blue dye, a proprietary amount of Safe-Green nucleic acid staining dye and a stabilizer which allow direct loading of the final products onto a plain agarose gel for analysis. To set up a PCR reaction: add DNA template, primers and water. PCR products that are amplified up to 6 kb in length with Taq DNA Polymerase contain a single base (A) 3' overhang. Safe-Green is proven to be non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests.</p> <p>Key Features: and Benefits - Saves preparation time by combining Taq DNA Polymerase, dNTPs and reaction buffer in a ready-to-use mixture. - Reduces the risk of contamination by decreasing the number of pipetting steps. Provides consistent reaction performance and results. Replaces the toxic ethidium bromide in gel analysis.</p>	5	ml	1
<b>G927</b>	<p>TISSUE EX-AMP PCR Kit offers the ultimate convenience for gDNA PCR from tissues, cells or whole blood. This advanced and proprietary direct gDNA extraction from raw samples only involves the use of one single extraction buffer, eliminating the need of neutralizing the crude lysate as well as the trouble of re-opening the sample tube during the extraction process, thus minimizing the risk of contamination and human error. It only takes 15 easy minutes to "incubate and boil", and the processes can be carried out in a water bath or with the convenience of a thermal cycler. The kit comes with sophisticated Kodaq 2X PCR MasterMix with dye; the MasterMix offers an un-beatable robustness and extreme fidelity in a streamlined and efficient PCR setup. Kodaq 2X PCR MasterMix with dye contains a green dye blend which resolves during gel electrophoresis into a turquoise band at ~4000bp and a yellow band at the ~50bp region. The resolving bands of dye allow easy visualization of the real time progress of your gel electrophoresis, where the yellow band indicates the migrating front in the gel.</p> <p>Key Features: and Benefits - No time-consuming DNA purification steps. - No neutralization step needed. Only small amount of sample needed. - Simple universal protocol for various tissue or cell samples. - Kodaq 2X PCR MasterMix with dye for robust and gel-loading-ready PCR.</p>	5	ml	1

## DNTP MIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>02-31-00020</b>	<p>dNTP Mix (dATP, dCTP, dGTP and dTTP). This ready-to-use mix consists of dATP, dCTP, dGTP and dTTP (each at a final concentration of 20 mM) in TE buffer, within one vial. The total concentration is 80 mM.</p>	20	µmol	1
<b>02-31-00100</b>		100	µmol	1
<b>02-21-00100</b>	<p>dNTP SET (100 mM) 25 µmol of each. The dNTP Set consists of 100 mM solutions of dATP, dCTP, dGTP and dTTP each in separate vials in TE buffer.</p>	100	µmol	1
<b>02-21-00400</b>		400	µmol	1

## DNTP SET

Codice	Descrizione Prodotto	Conf.		Pezzi
02-41-00025	dUTP 100 mM dUTP Sodium Salt Solution in TE buffer Purity Assay (HPLC): >99%	100	μmol	1

## DNA LADDER READY TO LOAD

Codice	Descrizione Prodotto	Conf.		Pezzi
07-11-00050	100 BP DNA Ladder Ready to Load. The 100 bp DNA Ladder is a ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis. The 100 bp DNA Ladder is formulated to run accurately and to provide crisp band patterns. It contains bromophenol blue dye which serves as visual aid to monitor the progress of migration during agarose gel electrophoresis. The 100 bp DNA Ladder contains 13 discrete DNA fragments ranging from 100 bp to 3,000 bp.	50	ug	1
07-12-00050	1 KB DNA Ladder Ready to Load. The 1 kb DNA Ladder is a ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis. The 1 kb DNA Ladder is formulated to run accurately and to provide crisp band patterns. It contains two dyes: bromophenol blue and xylene cyanole which serve as visual aid to monitor the progress of migration during agarose gel electrophoresis. The 1 kb DNA Ladder contains 13 discrete DNA fragments ranging from 300 bp to 10,000 bp.	50	ug	1

## SAFEVIEW™ DNA STAINS

Codice	Descrizione Prodotto	Conf.		Pezzi
G108-G	SAFE-GREEN is a new and safe nucleic acid stain for the visualization of nucleic acids in agarose and polyacrylamide gels. This dye eliminates the need for toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis. Key Features:; Convenient: Safe-Green is provided as a 6X loading dye, and is mixed directly with samples before gel loading. Inert tracking dye is included to monitor gel progress.; Easy to Use: View and document your results as you would with EtBr staining. Safe-Green can be excited with blue or UV light, and has maximum emission at 525 nm.; Safe: Non-carcinogenic.; Sensitive: Detect as little as 0.2 – 0.6 ng of DNA per gel band.; Superior: EtBr is known to cause strand breaks and nicks in DNA. Using Safe-Green minimizes such damage, yielding higher transformation rates and lower mutation rates versus EtBr. For even better cloning results use Safe-Green with blue light excitation. Application Safe Detection of dsDNA, ssDNA and RNA in agarose and polyacrylamide gels.	1	ml	1
G108-R	SAFE-RED is a new and safe nucleic acid stain for the visualization of nucleic acids in agarose and polyacrylamide gels. This dye eliminates the need for toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis. Key Features:; Convenient: Safe-Red is provided as a 6X loading dye, and is mixed directly with samples before gel loading. Inert tracking dye is included to monitor gel progress.; Easy to Use: View and document your results as you would with EtBr staining. Safe-Red can be excited with UV light, and has maximum emission at 630 nm.; Safe: Non-carcinogenic.; Sensitive: Detect as little as 0.3 – 0.8 ng of DNA per gel band.; Superior: EtBr is known to cause strand breaks and nicks in DNA. Using Safe-Red minimizes such damage, yielding higher transformation rates and lower mutation rates versus EtBr. Application Safe Detection of dsDNA, ssDNA and RNA in agarose and polyacrylamide gels.	1	ml	1

## SAFEVIEW™ DNA STAINS

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G108</b>	<p>SAFEVIEW Classic is a new and safe nucleic acid stain for the visualization of nucleic acids in agarose and polyacrylamide gels. This dye eliminates the need for toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis. Key Features:; Easy to Use: SafeView Classic directly replaces EtBr. View and document your results as you would with EtBr staining. SafeView Classic can be viewed under UV light or blue light.; Safe: Non-carcinogenic.; Sensitive: Detect as little as 0.1 – 0.3 ng of DNA per gel band.; Unique: SafeView Classic is the only nucleic acid stain that can differentiate DNA and RNA in gels, by staining DNA green (max emission 520 nm) and RNA red (max emission 635 nm).</p>	1	ml	1
<b>G108-W</b>	<p>SAFE-WHITE is a new and safe nucleic acid stain for the visualization of nucleic acids in agarose and polyacrylamide gels. This dye eliminates the need for toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis. Key Features:; Convenient: Safe-White is provided as a 6X loading dye, and is mixed directly with samples before gel loading. Inert tracking dye is included to monitor gel progress.; Easy to Use: View and document your results as you would with EtBr staining. Safe-White can be excited with UV light, and has maximum emission at 470 nm.; Safe: Non-carcinogenic.; Sensitive: Detect as little as 0.2 – 0.5 ng of DNA per gel band.; Superior: EtBr is known to cause strand breaks and nicks in DNA. Using Safe-White minimizes such damage, yielding higher transformation rates and lower mutation rates versus EtBr. Application Safe Detection of dsDNA, ssDNA and RNA in agarose and polyacrylamide gels.</p>	1	ml	1
<b>G468</b>	<p>SAFEVIEW PLUS Nucleic Acid Stain. SafeView Plus represents the most sensitive DNA stain in the latest generation of biosafe nucleic acid stains available. It can be safely and widely used for the visualization of double-stranded DNA, single-stranded DNA and RNA in agarose or polyacrylamide gels. SafeView Plus has been developed to replace toxic ethidium bromide (EtBr, a potent mutagen) and offers a higher sensitivity for staining nucleic acids than SafeView Classic.</p>	1	ml	1

## PCR OPTIMIZATION KITS

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G065</b>	<p>PCR-SURE Kit, consists of multiple thermo-stable DNA polymerases pre-mixed with 12 optimized buffers in a 2X MasterMix format. To find the optimal conditions for your difficult PCR, all you need to do is to mix templates, primers, and H<sub>2</sub>O with the PCR-Sure 2X MasterMix. The MasterMixes in this kit contain Cresol Red as an electrophoresis dye, with migration equivalent to 125 bp DNA fragment on an agarose gel. Free of endonucleases, exonucleases, and nicking activity.</p>	12x5	reactions	1

## RT-PCR

### 5X ALL-IN-ONE RT MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G485</b>	5X ALL-IN-ONE RT MasterMix. From RNA template to cDNA in just 15 minutes completely hassle-free. With 5X All-In-One RT MasterMix, just add RNA and this optimized system will provide sensitive and reliable cDNA synthesis over a dynamic range of input RNA. The use of this MasterMix eliminates multiple component additions providing exceptional reproducibility and precision, in addition to offering the end-user ultimate convenience. Key Features; Reduction in handling errors with only 1 liquid transfer step; Streamlined protocol suitable for high-throughput applications; Simple set-up for any RNA template; High reproducibility and excellent yield.	25x10	reactions	1
<b>G486</b>		100x100	reactions	1
<b>G490</b>		200x10	reactions	1
<b>G492</b>	5X ALL-IN-ONE RT MasterMix (with AccuRT Genomic DNA Removal Kit). Removal of contaminating genomic DNA from your samples to reverse transcription of RNA in 30 minutes, with 5X All-In-One RT MasterMix (AccuRT Genomic DNA Removal Kit included). 5X All-in-One RT MasterMix (with AccuRT Genomic DNA Removal Kit) offers a convenient and complete system to facilitate the complete elimination of contaminating genomic DNA in RNA preparations for rapid synthesis of high-quality cDNA for downstream applications. Key Features: Efficient ds and ssDNA digestion in under 10 minutes; Maximal RNA protection – No heating or organic extraction steps required; Fewer handling errors, with only 1 liquid transfer step for reverse transcription; Streamlined protocol suitable for high-throughput applications; Simple set-up for any RNA template; High reproducibility and excellent cDNA yield.	100x20	µl	1
<b>G590</b>	5X ALL-IN ONE RT MasterMix. From RNA template to cDNA in just 15 minutes completely hassle-free. With 5X All-In-One RT MasterMix, just add RNA and this optimized system will provide sensitive and reliable cDNA synthesis over a dynamic range of input RNA. The use of this MasterMix eliminates multiple component additions providing exceptional reproducibility and precision, in addition to offering the end-user ultimate convenience. Key Features: Reduction in handling errors with only 1 liquid transfer step; Streamlined protocol suitable for high-throughput applications; Simple set-up for any RNA template; High reproducibility and excellent yield.	1000x10	µl	1
<b>G916</b>	5X ALL-IN-ONE RT MasterMix (with ExCellenCT Lysis Kit). Extracting and preparing RNA templates directly from cultured cells to be reverse-transcribed into cDNA, with 5X All-In-One RT MasterMix. ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be reverse-transcribed onto cDNA using the 5X All-In-One RT MasterMix. The 5X All-In-One RT MasterMix is a ready-to-use formulation of all the reagents necessary for first-strand cDNA synthesis, including proprietary One-Script Reverse Transcriptase, RNaseOFF Ribonuclease Inhibitor, dNTPs, and a finely balanced ratio of Oligo (dT)s and Random Primers. Coupled together, this complete system provides the ultimate convenience in generating high-quality cDNA directly from 10-105 cultured cells, suitable for a wide range of downstream applications. This product is only intended for quick RNA extraction from cultured cells for two-steps RT-PCR or two-steps qRT-PCR gene expression analysis. This product is not suitable for typical RNA/cDNA pool preparation.	100x20	µl	1

## FIRST-STRAND CDNA SYNTHESIS KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G233</b>	<p>ONESCRIPT CDNA SYNTHESIS Kit contains all materials required for first-strand cDNA synthesis, with the choice of using either Oligo (dT) and/or Random Primers. Oligo (dT) anneals selectively to the poly (A) tail of mRNAs. Random Primers do not require the presence of poly (A) and can be used for the transcription of mRNA 5'-end regions. Gene-specific primers may also be used with the kit. The recombinant RNaseOFF Ribonuclease Inhibitor, supplied with the kit, effectively protects RNA template from degradation. The first-strand cDNA can be directly used as a template in PCR.</p>	25	reactions	1
<b>G234</b>		100	reactions	1
<b>G235</b>	<p>ONESCRIPT PLUS CDNA SYNTHESIS Kit contains all materials required for first-strand cDNA synthesis, with the choice of using either Oligo(dT) and/or Random Primers. Oligo(dT) anneals selectively to the poly(A) tail of mRNAs. Random Primers do not require the presence of poly(A) and can be used for the transcription of mRNA 5'-end regions. Gene-specific primers may also be used with the kit. The recombinant RNaseOFF Ribonuclease Inhibitor, supplied with the kit, effectively protects RNA template from degradation. The first-strand cDNA can be directly used as a template in PCR.</p>	25 x 20 µl	reactions	1
<b>G236</b>		100 x 20	µl	1
<b>G491</b>	<p>ONE SCRIPT CDNA SYNTHESIS Kit (with AccuRT Genomic DNA Removal Kit). Ensure accurate gene expression analysis with OneScript cDNA Synthesis Kit (with AccuRT Genomic DNA Removal Kit). OneScript cDNA Synthesis Kit (with AccuRT Genomic DNA Removal Kit) offers a convenient and complete system; for the elimination of contaminating genomic DNA in RNA preparations through to the synthesis of high-quality cDNA for downstream applications. Key Features: Quick ds and ssDNA digestion in under 10 minutes; Maximal RNA protection – No heating or organic extraction required; Flexibility in priming – oligo(dT), random primers or gene-specific primers; Robust cDNA synthesis from any RNA template; High reproducibility and excellent cDNA yield.</p>	100 x 20	µl	1
<b>G904</b>	<p>TOTAL-TRANSCRIPTOME CDNA SYNTHESIS Kit. Complete RNA quantification by revealing all the different RNAs in a sample. Total-Transcriptome cDNA Synthesis kit provides all reagents necessary to generate high quality cDNA from all different kind of RNA in a sample such as mRNA, miRNA, and lncRNA. This is made possible by 3' poly(A)-tailing of RNAs via the use of poly(A) polymerase. Oligo d(T) adaptor and random primers then anneal into the RNA template and facilitate the reverse transcription. OneScript Plus Reverse Transcriptase is a novel recombinant reverse transcriptase that exhibits much higher efficiency in the first-strand cDNA synthesis from RNA templates with secondary structures and high GC content. The OneScript Plus Reverse Transcriptase is engineered to perform under high temperatures (50°C - 55°C); facilitating the elimination of secondary structures associated with GC-rich RNA templates. The recombinant RNaseOFF Ribonuclease Inhibitor effectively protects RNA templates from degradation. Also the universal 3' reverse primer included in the kit can be coupled with any specific forward primer in downstream qPCR/PCR amplification. Key Features: Revealing all the RNAs in a human or mouse RNA sample; A complete, comprehensive cDNA synthesis kit; Including oligo dT adaptor and Universal reverse primer for high efficiency; Including positive control assays for mRNA, miRNA, and lncRNA studies; Robust cDNA synthesis from any RNA template; High reproducibility and excellent yield.</p>	25	reactions	1
<b>G905</b>		100	reactions	1

## TWO-STEP RT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G281</b>	<p>ONESCRIPT TWO-STEP RT-PCR Kit.</p> <p>Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit. This highly efficient two-step RT-PCR kit consists of two main components: OneScript cDNA Synthesis SuperMix and TaqPlus 2X PCR MasterMix with dye. cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo(dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product.</p> <p>Overall, cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. 2X PCR MasterMix provides all ingredients necessary for PCR in a premixed and optimized format that simplifies the PCR workflow. Utilizing different Taq DNA Polymerases, we offers a variety of highly sensitive MasterMixes to accommodate a wide range of DNA templates and performance needs. MasterMix with dye includes, in addition, an inert blue dye and a stabilizer which allow for direct loading of the PCR product(s) onto an agarose gel. Key Features;; Streamlined protocol suitable for high-throughput applications; Ease of use with a simple set-up; Excellent cDNA yield and robust PCR performance.</p>	25	reactions	1
<b>G282</b>	<p>ONESCRIPT PLUS TWO-STEP RT-PCR Kit.</p> <p>Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: OneScript Plus cDNA Synthesis SuperMix and TaqPlus 2X PCR MasterMix with dye. cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo (dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. OneScript Plus is engineered to perform under high temperatures (45°C - 55°C), OneScript Plus Reverse Transcriptase can synthesize full-length cDNA libraries from RNA templates up to 15kb in length. 2X PCR MasterMix provides all ingredients necessary for PCR in a premixed and optimized format that simplifies the PCR workflow. Utilizing different Taq DNA Polymerases, we offers a variety of highly sensitive MasterMixes to accommodate a wide range of DNA templates and performance needs. MasterMix with dye includes, in addition, an inert blue dye and a stabilizer which allow for direct loading of the PCR product(s) onto an agarose gel. Key Features;; Streamlined protocol suitable for high-throughput applications; Ease of use with a simple set-up; Excellent cDNA yield and robust PCR performance; Suitable for complex RNA templates (secondary structures and high GC content).</p>	100	reactions	1
<b>G283</b>	<p>ONESCRIPT PLUS TWO-STEP RT-PCR Kit.</p> <p>Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: OneScript Plus cDNA Synthesis SuperMix and TaqPlus 2X PCR MasterMix with dye. cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo (dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. OneScript Plus is engineered to perform under high temperatures (45°C - 55°C), OneScript Plus Reverse Transcriptase can synthesize full-length cDNA libraries from RNA templates up to 15kb in length. 2X PCR MasterMix provides all ingredients necessary for PCR in a premixed and optimized format that simplifies the PCR workflow. Utilizing different Taq DNA Polymerases, we offers a variety of highly sensitive MasterMixes to accommodate a wide range of DNA templates and performance needs. MasterMix with dye includes, in addition, an inert blue dye and a stabilizer which allow for direct loading of the PCR product(s) onto an agarose gel. Key Features;; Streamlined protocol suitable for high-throughput applications; Ease of use with a simple set-up; Excellent cDNA yield and robust PCR performance; Suitable for complex RNA templates (secondary structures and high GC content).</p>	25	reactions	1
<b>G284</b>	<p>ONESCRIPT PLUS TWO-STEP RT-PCR Kit.</p> <p>Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: Convenient and time-saving reaction set-up with OneScript Two-Step RT-PCR Kit for complex RNA templates (i.e. secondary structures and high GC content). This highly efficient two-step RT-PCR kit consists of two main components: OneScript Plus cDNA Synthesis SuperMix and TaqPlus 2X PCR MasterMix with dye. cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo (dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. OneScript Plus is engineered to perform under high temperatures (45°C - 55°C), OneScript Plus Reverse Transcriptase can synthesize full-length cDNA libraries from RNA templates up to 15kb in length. 2X PCR MasterMix provides all ingredients necessary for PCR in a premixed and optimized format that simplifies the PCR workflow. Utilizing different Taq DNA Polymerases, we offers a variety of highly sensitive MasterMixes to accommodate a wide range of DNA templates and performance needs. MasterMix with dye includes, in addition, an inert blue dye and a stabilizer which allow for direct loading of the PCR product(s) onto an agarose gel. Key Features;; Streamlined protocol suitable for high-throughput applications; Ease of use with a simple set-up; Excellent cDNA yield and robust PCR performance; Suitable for complex RNA templates (secondary structures and high GC content).</p>	100	reactions	1

## SECOND-STRAND CDNA SYNTHESIS KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G475</b>	<p>SECOND STRAND CDNA SYNTHESIS Kit-dNTP based.</p> <p>Second Strand cDNA Synthesis Kit is an efficient system of generating double stranded cDNA from first strand cDNA as a template. The E. coli RNase H nicks the RNA in the DNA:RNA hybrid, while the E. coli DNA Polymerase replaces the RNA with deoxyribonucleotides. The E. coli DNA Ligase completes the double stranded DNA formation by linking the gaps between the newly synthesized cDNA strand. The dNTP based kit (Cat. No. G475) and dNTP/dUTP based kit (Cat. No. G476) provides different combination of deoxyribonucleotides tailored to the end user's needs and application. This kit is provided as individual enzymes to meet the customer's needs and to provide maximum efficiency and flexibility in the RNA sample preparation. (Noted that these enzymes may still contain E. coli gDNA) The double stranded cDNA and product can subsequently be converted to blunt ended DNA fragments using DNA End Repair Kit (Cat. No. G477), followed by dA Tailing Kit (Cat. No. E009) to generate DNA suitable for whole genome sequencing.</p>	25x50	µl	1
<b>G476</b>	<p>SECOND-STRAND CDNA SYNTHESIS Kit-dNTP/dUTP based.</p> <p>Second Strand cDNA Synthesis Kit is an efficient system of generating double stranded cDNA from first strand cDNA as a template. The E. coli RNase H nicks the RNA in the DNA:RNA hybrid, while the E. coli DNA Polymerase replaces the RNA with deoxyribonucleotides. The E. coli DNA Ligase completes the double stranded DNA formation by linking the gaps between the newly synthesized cDNA strand. The dNTP based kit (Cat. No. G475) and dNTP/dUTP based kit (Cat. No. G476) provides different combination of deoxyribonucleotides tailored to the end user's needs and application. This kit is provided as individual enzymes to meet the customer's needs and to provide maximum efficiency and flexibility in the RNA sample preparation. (Noted that these enzymes may still contain E. coli gDNA) The double stranded cDNA and product can subsequently be converted to blunt ended DNA fragments using DNA End Repair Kit (Cat. No. G477), followed by dA Tailing Kit (Cat. No. E009) to generate DNA suitable for whole genome sequencing.</p>	25x50	µl	1

## FIRST-STRAND CDNA SYNTHESIS SUPERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G451</b>	<p>ONESCRIPT CDNA SYNTHESIS SuperMix, provides highly efficient and specific conversion of RNA to cDNA, even from low abundance transcripts. It allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. Application: generation of templates for use in RT-PCR and qRT-PCR; cDNA synthesis from ssRNA; cDNA library construction; generation of probes for hybridization; DNA primer extension.</p>	25x20	µl	1
<b>G452</b>		100x20	µl	1
<b>G453</b>	<p>ONESCRIPT PLUS CDNA SYNTHESIS SuperMix. Convenient and time-saving reaction set-up with cDNA Synthesis SuperMix. cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo(dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease. Key Features: Streamlined protocol suitable for high-throughput applications; Ease of use with a simple set-up; Excellent cDNA yield This SuperMix contains we 's OneScript Plus Reverse Transcriptase.</p>	25 x 20 µl	µl	1
<b>G454</b>		100 x 20 µl	µl	1

## REVERSE TRANSCRIPTASES

Codice	Descrizione Prodotto	Conf.		Pezzi
G231	<p>ONESCRIPT REVERSE TRANSCRIPTASE PCR is an optimized mutational derivative of the original RTase enzyme representing the best-performing RTase on the market. This enzyme catalyzes the synthesis of complementary DNA strands from single-stranded RNA or DNA templates. Due to a series of mutations introduced within the RNase H domain of this enzyme, there is no detectable RNase H activity associated with the enzyme. The lack of RNase H activity helps to eliminate RNA degradation during first-strand cDNA synthesis, resulting in higher yield and longer length of cDNA. Furthermore, OneScript® RTase contains an additional fidelity-enhancing subunit which drastically enhances accuracy in reverse transcription.</p>	25x10	reactions	1
G232		100x10	reactions	1
G177	<p>ONESCRIPT PLUS Reverse Transcriptase e is a novel recombinant reverse transcriptase that exhibits much higher efficiency in the first-strand cDNA synthesis from RNA templates with secondary structures and high GC content. OneScript Plus Reverse Transcriptase is engineered to perform under high temperatures (50°C - 55°C), facilitating the elimination of secondary structures associated with GC-rich RNA templates. Due to this unique feature, OneScript Plus can synthesize full-length cDNA libraries from RNA templates up to 15 kb in length. In addition, OneScript Plus Reverse Transcriptase has outstanding proofreading ability due to the presence of a fidelity-enhancing subunit, thus making this RTase an excellent choice for whole genome sequencing.</p>	25 x 20	µl	1
G237		100 x 20	µl	1

## RT-PCR CONTROL KITS

Codice	Descrizione Prodotto	Conf.		Pezzi
G928	<p>RT-PCR CONTROL TEMPLATE Kit. In addition to negative controls, positive controls are also an important part of every experiment to ensure that any reaction abnormalities are not due to reagent or cycloer issues. RT-PCR Control Template Kit is a system including a human RNA template, cDNA template and GAPDH primer mix to incorporate a positive control into existing RT-PCR setups, guaranteed to amplify under the correct conditions. The RNA template can be used to ensure proper cDNA synthesis, while the ready-to-use cDNA template can conveniently be used as an extra control in later PCR reactions, allowing the user to easily add reliable controls at every step of their experiment without hassle. The kit can also be used for teaching and demonstration purposes within student laboratories. Features;; Ease of use with a simple set-up; Suitable for a wide range of RT-PCR assays; Streamlined protocol suitable for high-throughput applications.</p>	100	reactions	1

## ONE-STEP RT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
G174	<p>ONE-STEP RT-PCR Kit. One reaction tube for RT and PCR now offers unparalleled sensitivity and efficiency. With One-Step RT-PCR Kit, you can streamline the procedure for reverse transcription and subsequent PCR in the same reaction tube, eliminating the need to change buffers and reducing the risk of contamination. This kit offers the end-user an efficient and easy alternative to the conventional "two-step" RT-PCR approach with extreme sensitivity, specificity and high product yield. G174-dye buffer contains Cresol Red as an electrophoresis dye, with migration equivalent to 125 bp DNA fragment on an agarose gel.</p>	100 x 50 µl	reactions	1

## ONE-STEP RT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G174-DYE</b>	<p style="text-align: center;">ONE-STEP RT-PCR Kit with dye.</p> <p style="text-align: center;">One reaction tube for RT and PCR now offers unparalleled sensitivity and efficiency. With One-Step RT-PCR Kit, you can streamline the procedure for reverse transcription and subsequent PCR in the same reaction tube, eliminating the need to change buffers and reducing the risk of contamination.</p> <p style="text-align: center;">This kit offers the end-user an efficient and easy alternative to the conventional “two-step” RT-PCR approach with extreme sensitivity, specificity and high product yield. G174-dye buffer contains Cresol Red as an electrophoresis dye, with migration equivalent to 125 bp DNA fragment on an agarose gel.</p>	100 x 50 µl	reactions	1

## ONE-STEP BRIGHTGREEN QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G471-R</b>	<p style="text-align: center;">ONE-STEP BRIGHTGREEN QRT-PCR-ROX.</p> <p style="text-align: center;">Convenient real-time RNA quantification in one-step. One-Step BrightGreen qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis in a high-throughput format. This kit offers ultimate convenience to the end-user in addition to guaranteed performance with respect to high sensitivity, superb signal-to noise ratio, and complete elimination of primer dimmers. The One-Step BrightGreen qRT-PCR Kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity.</p> <p style="text-align: center;">RNaseOFF Ribonuclease Inhibitor and a proprietary RTase additive are blended into the RTase's storage buffer to protect RNA template from degradation and to improve the fidelity during reverse transcription. The chemically modified Hotstart Taq polymerase, included in our MasterMix, significantly reduces non-specific PCR amplification observed with regular Taq polymerase. The user-friendly one-step/single tube setup minimizes the chance of introducing human-error and contamination. Overall, One-Step BrightGreen qRT-PCR Kit demonstrates market-leading sensitivity, efficiency, and reliability. Key Features:</p> <p style="text-align: center;">Streamlined protocol in a simple single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01pg of RNA; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template; Reduces pipetting steps to minimize the risk of contamination. Application: Gene-expression analysis; Transcription analysis; Gene cloning; High throughput applications; Virus detection and quantification.</p>	100	reactions	1

## ONE-STEP BRIGHTGREEN QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G471-LR</b>	<p>ONE-STEP BRIGHTGREEN QRT-PCR-Low ROX.                      Convenient real-time RNA quantification in one-step. One-Step BrightGreen qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis in a high-throughput format. This kit offers ultimate convenience to the end-user in addition to guaranteed performance with respect to high sensitivity, superb signal-to noise ratio, and complete elimination of primer dimmers. The One-Step BrightGreen qRT-PCR Kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity. RNaseOFF Ribonuclease Inhibitor and a proprietary RTase additive are blended into the RTase's storage buffer to protect RNA template from degradation and to improve the fidelity during reverse transcription. The chemically modified Hotstart Taq polymerase, included in our MasterMix, significantly reduces non-specific PCR amplification observed with regular Taq polymerase. The user-friendly one-step/single tube setup minimizes the chance of introducing human-error and contamination. Overall, One-Step BrightGreen qRT-PCR Kit demonstrates market-leading sensitivity, efficiency, and reliability. Key Features: Streamlined protocol in a simple single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01pg of RNA; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template; Reduces pipetting steps to minimize the risk of contamination. Application: Gene-expression analysis; Transcription analysis; Gene cloning; High throughput applications; Virus detection and quantification.</p>	100	reactions	1
<b>G471-IC</b>	<p>ONE-STEP BRIGHTGREEN QRT-PCR-iCycler.                      Convenient real-time RNA quantification in one-step. One-Step BrightGreen qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis in a high-throughput format. This kit offers ultimate convenience to the end-user in addition to guaranteed performance with respect to high sensitivity, superb signal-to noise ratio, and complete elimination of primer dimmers. The One-Step BrightGreen qRT-PCR Kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity. RNaseOFF Ribonuclease Inhibitor and a proprietary RTase additive are blended into the RTase's storage buffer to protect RNA template from degradation and to improve the fidelity during reverse transcription. The chemically modified Hotstart Taq polymerase, included in our MasterMix, significantly reduces non-specific PCR amplification observed with regular Taq polymerase. The user-friendly one-step/single tube setup minimizes the chance of introducing human-error and contamination. Overall, One-Step BrightGreen qRT-PCR Kit demonstrates market-leading sensitivity, efficiency, and reliability. Key Features: Streamlined protocol in a simple single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01pg of RNA; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template; Reduces pipetting steps to minimize the risk of contamination. Application: Gene-expression analysis; Transcription analysis; Gene cloning; High throughput applications; Virus detection and quantification.</p>	100	reactions	1

## ONE-STEP BRIGHTGREEN QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G471-S</b>	<p>ONE-STEP BRIGHTGREEN QRT-PCR-No Dye.                      Convenient real-time RNA quantification in one-step. One-Step BrightGreen qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis in a high-throughput format. This kit offers ultimate convenience to the end-user in addition to guaranteed performance with respect to high sensitivity, superb signal-to noise ratio, and complete elimination of primer dimmers. The One-Step BrightGreen qRT-PCR Kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity. RNaseOFF Ribonuclease Inhibitor and a proprietary RTase additive are blended into the RTase's storage buffer to protect RNA template from degradation and to improve the fidelity during reverse transcription. The chemically modified Hotstart Taq polymerase, included in our MasterMix, significantly reduces non-specific PCR amplification observed with regular Taq polymerase. The user-friendly one-step/single tube setup minimizes the chance of introducing human-error and contamination. Overall, One-Step BrightGreen qRT-PCR Kit demonstrates market-leading sensitivity, efficiency, and reliability. Key Features: Streamlined protocol in a simple single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01pg of RNA; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template; Reduces pipetting steps to minimize the risk of contamination. Application: Gene-expression analysis; Transcription analysis; Gene cloning; High throughput applications; Virus detection and quantification.</p>	100	reactions	1

## EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G917-R</b>	<p>EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-ROX. Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G471 One-Step BrightGreen qRT-PCR MasterMix. ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step BrightGreen qRT-PCR system contains all necessary reagents for both reverse transcription and PCR amplification to occur in a single qPCR reaction tube, including a qRT-PCR Enzyme Mix and an BrightGreen qPCR MasterMix. proprietary qRT-PCR Enzyme Mix contains stabilizers and enhancers to optimize the two reactions in a real-time "single step". Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p>	25	reactions	1

## EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G917-LR</b>	<p>EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-Low ROX.                      Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G471 One-Step BrightGreen qRT-PCR MasterMix.                      ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step BrightGreen qRT-PCR system contains all necessary reagents for both reverse transcription and PCR amplification to occur in a single qPCR reaction tube, including a qRT-PCR Enzyme Mix and an BrightGreen qPCR MasterMix. proprietary qRT-PCR Enzyme Mix contains stabilizers and enhancers to optimize the two reactions in a real-time "single step". Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p>	25	reactions	1
<b>G917-IC</b>	<p>EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-iCycler.                      Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G471 One-Step BrightGreen qRT-PCR MasterMix.                      ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step BrightGreen qRT-PCR system contains all necessary reagents for both reverse transcription and PCR amplification to occur in a single qPCR reaction tube, including a qRT-PCR Enzyme Mix and an BrightGreen qPCR MasterMix. proprietary qRT-PCR Enzyme Mix contains stabilizers and enhancers to optimize the two reactions in a real-time "single step". Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p>	25	reactions	1
<b>G917-S</b>	<p>EXCELLENCT ONE-STEP BRIGHTGREEN QRT-PCR-No Dye.                      Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G471 One-Step BrightGreen qRT-PCR MasterMix.                      ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step BrightGreen qRT-PCR system contains all necessary reagents for both reverse transcription and PCR amplification to occur in a single qPCR reaction tube, including a qRT-PCR Enzyme Mix and an BrightGreen qPCR MasterMix. proprietary qRT-PCR Enzyme Mix contains stabilizers and enhancers to optimize the two reactions in a real-time "single step". Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p>	25	reactions	1

## ONE-STEP TAQPROBE QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G493-P</b>	<p style="text-align: center;">ONE-STEP TAQPROBE QRT-PCR-ROX.</p> <p>Convenient real-time RNA quantification in one EASY step. One-Step TaqProbe qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis for high-throughput applications. This kit offers ultimate convenience in addition to consistent performance in terms of high sensitivity and superb signal-to noise ratio.</p> <p>While a one-step/single tube setup provides overall convenience and reduces room for error, One-Step TaqProbe qRT-PCR Kit offers additional advantages: Improved fidelity and yield for reverse transcription; Prevention of template (RNA) degradation with RNaseOFF Ribonuclease Inhibitor.</p> <p>Superb performance with respect to sensitivity and signal-to-noise ratio. Significant reduction in non-specific PCR amplification by utilizing HotStart Taq DNA polymerase in the enzyme mix. Key Features; Streamlined protocol in a simple, single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01 pg of RNA template; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template (e.g. mRNA and total RNA); Reduces pipetting steps to minimize the risk of contamination and error.</p> <p>Application Gene-expression analysis; Transcription analysis; Gene cloning; High through put applications; Virus detection and quantification.</p>	100	reactions	1
<b>G493-PL</b>	<p style="text-align: center;">ONE-STEP TAQPROBE QRT-PCR-Low ROX.</p> <p>Convenient real-time RNA quantification in one EASY step. One-Step TaqProbe qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis for high-throughput applications. This kit offers ultimate convenience in addition to consistent performance in terms of high sensitivity and superb signal-to noise ratio.</p> <p>While a one-step/single tube setup provides overall convenience and reduces room for error, One-Step TaqProbe qRT-PCR Kit offers additional advantages;; Improved fidelity and yield for reverse transcription; Prevention of template (RNA) degradation with RNaseOFF Ribonuclease Inhibitor.</p> <p>Superb performance with respect to sensitivity and signal-to-noise ratio. Significant reduction in non-specific PCR amplification by utilizing HotStart Taq DNA polymerase in the enzyme mix. Key Features; Streamlined protocol in a simple, single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01 pg of RNA template; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template (e.g. mRNA and total RNA); Reduces pipetting steps to minimize the risk of contamination and error.</p> <p>Application Gene-expression analysis; Transcription analysis; Gene cloning; High through put applications; Virus detection and quantification.</p>	100	reactions	1

## ONE-STEP TAQPROBE QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G493-PC</b>	<p style="text-align: center;"><b>ONE-STEP TAQPROBE QRT-PCR-iCycler.</b></p> <p>Convenient real-time RNA quantification in one EASY step. One-Step TaqProbe qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis for high-throughput applications. This kit offers ultimate convenience in addition to consistent performance in terms of high sensitivity and superb signal-to noise ratio.</p> <p>While a one-step/single tube setup provides overall convenience and reduces room for error, One-Step TaqProbe qRT-PCR Kit offers additional advantages;; Improved fidelity and yield for reverse transcription; Prevention of template (RNA) degradation with RNaseOFF Ribonuclease Inhibitor.</p> <p>Superb performance with respect to sensitivity and signal-to-noise ratio. Significant reduction in non-specific PCR amplification by utilizing HotStart Taq DNA polymerase in the enzyme mix. Key Features; Streamlined protocol in a simple, single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01 pg of RNA template; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template (e.g. mRNA and total RNA); Reduces pipetting steps to minimize the risk of contamination and error.</p> <p>Application Gene-expression analysis; Transcription analysis; Gene cloning; High through put applications; Virus detection and quantification.</p>	100	reactions	1
<b>G493-PS</b>	<p style="text-align: center;"><b>ONE-STEP TAQPROBE QRT-PCR-No Dye.</b></p> <p>Convenient real-time RNA quantification in one EASY step. One-Step TaqProbe qRT-PCR Kit uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis for high-throughput applications. This kit offers ultimate convenience in addition to consistent performance in terms of high sensitivity and superb signal-to noise ratio.</p> <p>While a one-step/single tube setup provides overall convenience and reduces room for error, One-Step TaqProbe qRT-PCR Kit offers additional advantages;; Improved fidelity and yield for reverse transcription; Prevention of template (RNA) degradation with RNaseOFF Ribonuclease Inhibitor.</p> <p>Superb performance with respect to sensitivity and signal-to-noise ratio. Significant reduction in non-specific PCR amplification by utilizing HotStart Taq DNA polymerase in the enzyme mix. Key Features; Streamlined protocol in a simple, single-tube reaction set-up; High-quality, full-length cDNA from as little as 0.01 pg of RNA template; Fully optimized for detection of low-copy genes; Simple set-up for any RNA template (e.g. mRNA and total RNA); Reduces pipetting steps to minimize the risk of contamination and error.</p> <p>Application Gene-expression analysis; Transcription analysis; Gene cloning; High through put applications; Virus detection and quantification.</p>	100	reactions	1

## EXCELLENCT ONE-STEP TAQPROBE QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G918-P</b>	<p>EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-ROX. Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G493 One-Step TaqProbe qRT-PCR MasterMix.</p> <p>ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps.</p> <p>RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step TaqProbe qRT-PCR system uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis with high sensitivity and superb signal-to-noise ratio. The use of HotStart Taq DNA Polymerase in the enzyme mix significantly reduces non-specific PCR amplification. Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p> <p style="text-align: center;">Application: Gene expression studies.</p>	100	reactions	1
<b>G918-PL</b>	<p>EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-Low ROX. Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G493 One-Step TaqProbe qRT-PCR MasterMix.</p> <p>ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps.</p> <p>RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step TaqProbe qRT-PCR system uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis with high sensitivity and superb signal-to-noise ratio. The use of HotStart Taq DNA Polymerase in the enzyme mix significantly reduces non-specific PCR amplification. Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p> <p style="text-align: center;">Application; Gene expression studies.</p>	100	reactions	1
<b>G918-PC</b>	<p>EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-iCycler. Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-PCR, with G493 One-Step TaqProbe qRT-PCR MasterMix.</p> <p>ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps.</p> <p>RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step TaqProbe qRT-PCR system uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis with high sensitivity and superb signal-to-noise ratio. The use of HotStart Taq DNA Polymerase in the enzyme mix significantly reduces non-specific PCR amplification. Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells.</p> <p style="text-align: center;">Application: Gene expression studies.</p>	100	reactions	1

## EXCELLENCT ONE-STEP TAQPROBE QRT-PCR KIT

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G918-PS</b>	<p>EXCELLENCT ONE-STEP TAQPROBE QRT-PCR-No Dye. Extracting and preparing RNA templates directly from cultured cells to be applied as template for One-Step qRT-R, with G493 One-Step TaqProbe qRT-PCR MasterMix. ExCellenCT Lysis Kit is a unique and effective alternative method to provide RNA templates that are extracted and processed directly from cultured cells in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template to be applied in One-Step qRT-PCR. The One-Step TaqProbe qRT-PCR system uses a combination of high-quality enzymes in a proprietary buffer system to deliver precise and accurate sample analysis with high sensitivity and superb signal-to-noise ratio. The use of HotStart Taq DNA Polymerase in the enzyme mix significantly reduces non-specific PCR amplification. Coupled together, this complete system provides the ultimate convenience in generating consistent, reproducible, and accurate results from 10-105 cells. Application: Gene expression studies.</p>	100	reactions	1

## CELL LYSIS/DNA & RNASE REMOVAL

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G488</b>	<p>ACCURT GENOMIC DNA REMOVAL KIT. AccuRT Genomic DNA Removal Kit offers a quick and easy method to eliminate genomic DNA (gDNA) contamination in RNA samples. The presence of genomic DNA in RNA preparations is often a significant problem for downstream applications. This contamination often leads to false-positive signals and misrepresentation of gene expression levels. This kit employs a brief reaction of your RNA sample with the enclosed Reaction Mix that will effectively remove gDNA without loss or degradation of RNA. The treated gDNA-free RNA is ready for any downstream application such as RT-PCR and qRT-PCR using cDNA synthesis or RT-PCR reagents. Key Features: Fast and easy procedure completed within 10 minutes; Complete and effective genomic DNA removal without compromising RNA quality; No heat inactivation required; Compatible with various downstream applications.</p>	200	reactions	1
<b>G915</b>	<p>EXCELLENCT Lysis Kit. The use of TRIzol in gene expression studies involving routine RNA extraction often poses bio-hazard and health concerns to scientist and researchers. ExCellenCT Lysis Kit is the perfect solution to this problem. ExCellenCT Lysis Kit is unique and effective alternative method for RNA template extraction and preparation. RNA templates are extracted and processed directly from cultured cells for one-step or two-steps qRT-PCR in less than 15 minutes, unveiling reverse-transcription-ready RNA/cell lysate from cultured cells without the time-consuming and hazardous-chemicals-involved RNA extraction and purification steps. RNA templates generated can then be directly used as template in either a one-step qRT-PCR or a two-step qRT-PCR system. In addition, samples can be directly processed in culture wells (96 and 384 wells) for easy handling and high throughput, thus minimizing transfer error and potential sample loss. This product is only intended for quick RNA extraction from cultured cells for two-steps RT-PCR or two-steps qRT-PCR gene expression analysis. This product is not suitable for typical RNA/cDNA pool preparation.</p>	25	Preps	1

## CELL LYSIS/DNA & RNASE REMOVAL

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G028</b>	<p>DNASE I. Deoxyribonuclease I (DNase I; EC 3.1.21.1) is a non-specific endonuclease that catalyzes the cleavage of phosphodiester bonds in single/double-stranded DNA, chromatin, and RNA-DNA hybrids. DNase I cleaves DNA to release di-and/or oligonucleotide (5'-phosphorylated and 3'-hydroxylated) end-products. Concentration 2 U/μl; Composition Enzyme supplied with 10X Reaction Buffer; Removes DNA from protein preparations and RNA samples; Mediates nick translation; Generates random fragments for dideoxy sequencing; Degrade template DNA following in vitro transcription; Mediate DNase I foot-printing.</p>	1	ml	1
<b>G138</b>	<p>RNASEOFF Ribonuclease Inhibitor specifically inhibits common ribonucleases (RNases), including RNase A, B and C, with high affinity. This enzyme is a useful additive in PCR or RT-PCR as it safe-guards RNA against potential RNase contamination without inhibiting polymerase activity. This robust version of RNase inhibitor has improved resistance to oxidation over the highly oxidation-sensitive human RNase inhibitor. RNaseOFF Ribonuclease Inhibitor is stable even under very low concentrations of DTT (&lt; 1 mM), making it the best choice for ultimate RNA protection. One unit is defined as the amount of RNaseOFF Ribonuclease Inhibitor that is required to inhibit the activity of 5 ng of RNase A by 50%. • Always keep RNaseOFF on ice during reaction set-up. • It is recommended to setup all RNA-related/RNase-sensitive work under conditions where RNase contamination has been eliminated. Pipette tips and tubes should be treated with 0.1% DEPC. Wearing gloves is highly recommended while working with RNA. This product is distributed for laboratory research only Caution: Not for diagnostic use.</p>	100	μl	1

## MIRNA CDNA SYNTHESIS KITS

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G269</b>	<p>MIRNA CDNA SYNTHESIS Kit. The miRNA cDNA Synthesis Kit is a complete system for the efficient synthesis of first strand miRNA from total RNA templates. The kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity. The recombinant RNasin Ribonuclease Inhibitor, supplied with the kit effectively protects the RNA template from degradation. Besides the basic miRNA cDNA synthesis kit (G269/G270), customer also has the option to choose a miRNA cDNA synthesis kit with Poly(A) Polymerase Tailing (G902/G903). Both versions of miRNA cDNA synthesis kits come along with oligo d(T) adapter, which anneals selectively onto the poly(A)-tailed miRNA. Universal reverse primers, included in miRNA profiling kit (MA003, MA004), contains the adaptor sequence and therefore they must be used on the cDNA generated by miRNA cDNA synthesis kit.</p>	25	reactions	1
<b>G270</b>	<p>The first strand of miRNA's cDNA can be directly used as a template for the qPCR-based analysis of miRNA expression in a given sample. we also has a complete library of miRNA primers for all the known miRNA sequences; we is one of the very few companies in the world that provide industry-leading-quality miRNA profiling services with years of experience. All our primers have been extensively optimized for qPCR conditions and have been validated for their accuracy.</p>	100	reactions	1

## MIRNA CDNA SYNTHESIS KITS

Codice	Descrizione Prodotto	Conf.		Pezzi
G902	<p>MIRNA CDNA SYNTHESIS Kit, with Poly(A) Polymerase Tailing.</p> <p>The miRNA cDNA Synthesis Kit is a complete system for the efficient synthesis of first strand miRNA from total RNA templates. The kit utilizes a mutated recombinant M-MuLV Reverse Transcriptase which exhibits limited RNase H activity. The recombinant RNasin Ribonuclease Inhibitor, supplied with the kit effectively protects the RNA template from degradation. Besides the basic miRNA cDNA synthesis kit (G269/G270), customer also has the option to choose a miRNA cDNA synthesis kit with Poly(A) Polymerase Tailing (G902/G903). Both versions of miRNA cDNA synthesis kits come along with oligo d(T) adapter, which anneals selectively onto the poly(A)-tailed miRNA. Universal reverse primers, included in miRNA profiling kit (MA003, MA004), contains the adaptor sequence and therefore they must be used on the cDNA generated by miRNA cDNA synthesis kit. The first strand of miRNA's cDNA can be directly used as a template for the qPCR-based analysis of miRNA expression in a given sample. we also has a complete library of miRNA primers for all the known miRNA sequences; we is one of the very few companies in the world that provide industry-leading-quality miRNA profiling services with years of experience. All our primers have been extensively optimized for qPCR conditions and have been validated for their accuracy.</p>	25	reactions	1
G903		100	reactions	1

## QPCR

### BRIGHTGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
MASTERMIX-IC	<p>BRIGHTGREEN 2X QPCR MasterMix-iCycler. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
MASTERMIX-IC-XL	<p>BRIGHTGREEN 2X QPCR MasterMix-iCycler. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	2000	reactions	1

## BRIGHTGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-LR</b>	BRIGHTGREEN 2X QPCR MasterMix-Low ROX. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.	500	reactions	1
<b>MASTERMIX-LR-XL</b>	BRIGHTGREEN 2X QPCR MasterMix-Low ROX. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.	2000	reactions	1
<b>MASTERMIX-R</b>	BRIGHTGREEN 2X QPCR MasterMix-ROX. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.	500	reactions	1
<b>MASTERMIX-R-XL</b>	BRIGHTGREEN 2X QPCR MasterMix-ROX. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.	2000	reactions	1

## BRIGHTGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-S</b>	<p>BRIGHTGREEN 2X QPCR MasterMix-No Dye. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-S-XL</b>	<p>BRIGHTGREEN 2X QPCR MasterMix-No Dye. Guaranteed high-performance real-time PCR using BrightGreen 2X qPCR MasterMix. BrightGreen 2X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	2000	reactions	1
<b>MASTERMIX-5C</b>	<p>BRIGHTGREEN 5X QPCR MasterMix-iCycler. Guaranteed high-performance real-time PCR using BrightGreen 5X qPCR MasterMix. BrightGreen 5X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 5X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1
<b>MASTERMIX-5L</b>	<p>BRIGHTGREEN 5X QPCR MasterMix-Low ROX. Guaranteed high-performance real-time PCR using BrightGreen 5X qPCR MasterMix. BrightGreen 5X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 5X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Antibody hot-start technology provides superior specificity; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1

## BRIGHTGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-5R</b>	<p>BRIGHTGREEN 5X QPCR MasterMix-ROX. Guaranteed high-performance real-time PCR using BrightGreen 5X qPCR MasterMix. BrightGreen 5X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 5X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features:</p> <ul style="list-style-type: none"> <li>Antibody hot-start technology provides superior specificity;</li> <li>Enable streamlined protocol in a simple reaction set-up;</li> <li>Allow accurate quantification of a variety of gene targets;</li> <li>Reduce pipetting steps to minimize the risk of contamination;</li> <li>Compatible with most real-time PCR instruments.</li> </ul>	1000	reactions	1
<b>MASTERMIX-5S</b>	<p>BRIGHTGREEN 5X QPCR MasterMix-No Dye. Guaranteed high-performance real-time PCR using BrightGreen 5X qPCR MasterMix. BrightGreen 5X qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen 5X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features:</p> <ul style="list-style-type: none"> <li>Antibody hot-start technology provides superior specificity;</li> <li>Enable streamlined protocol in a simple reaction set-up;</li> <li>Allow accurate quantification of a variety of gene targets;</li> <li>Reduce pipetting steps to minimize the risk of contamination;</li> <li>Compatible with most real-time PCR instruments.</li> </ul>	1000	reactions	1

## BRIGHTGREEN EXPRESS QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-ER</b>	<p>BRIGHTGREEN EXPRESS 2X QPCR MasterMix-ROX. Guaranteed high-performance real-time PCR using BrightGreen Express 2X qPCR MasterMix. BrightGreen Express 2X qPCR MasterMix provides all ingredients necessary for extremely rapid quantitative PCR in a premixed and optimized format. The use of TaqFast DNA Polymerase in BrightGreen Express 2X qPCR MasterMix shortens the reaction time to about 1/5 of standard qPCR time. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen Express 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Extremely rapid activation – only 30 seconds!; Ultra-fast qPCR thermal cycling – 10 second annealing/elongation time; Streamlined protocol with a simple reaction set-up; Ultra-fast quantification of a variety of gene targets; Reduces pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-EL</b>	<p>BRIGHTGREEN EXPRESS 2X QPCR MasterMix-Low ROX. Guaranteed high-performance real-time PCR using BrightGreen Express 2X qPCR MasterMix. BrightGreen Express 2X qPCR MasterMix provides all ingredients necessary for extremely rapid quantitative PCR in a premixed and optimized format. The use of TaqFast DNA Polymerase in BrightGreen Express 2X qPCR MasterMix shortens the reaction time to about 1/5 of standard qPCR time. Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen Express 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Extremely rapid activation – only 30 seconds!; Ultra-fast qPCR thermal cycling – 10 second annealing/elongation time; Streamlined protocol with a simple reaction set-up; Ultra-fast quantification of a variety of gene targets; Reduces pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1

## BRIGHTGREEN EXPRESS QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-EC</b>	<p>BRIGHTGREEN EXPRESS 2X QPCR MasterMix-iCycler. Guaranteed high-performance real-time PCR using BrightGreen Express 2X qPCR MasterMix. BrightGreen Express 2X qPCR MasterMix provides all ingredients necessary for extremely rapid quantitative PCR in a premixed and optimized format. The use of TaqFast DNA Polymerase in BrightGreen Express 2X qPCR MasterMix shortens the reaction time to about 1/5 of standard qPCR time.</p> <p>Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen Express 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Extremely rapid activation – only 30 seconds!; Ultra-fast qPCR thermal cycling – 10 second annealing/elongation time; Streamlined protocol with a simple reaction set-up; Ultra-fast quantification of a variety of gene targets; Reduces pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-ES</b>	<p>BRIGHTGREEN EXPRESS 2X QPCR MasterMix-No Dye. Guaranteed high-performance real-time PCR using BrightGreen Express 2X qPCR MasterMix. BrightGreen Express 2X qPCR MasterMix provides all ingredients necessary for extremely rapid quantitative PCR in a premixed and optimized format. The use of TaqFast DNA Polymerase in BrightGreen Express 2X qPCR MasterMix shortens the reaction time to about 1/5 of standard qPCR time.</p> <p>Available with the option of ROX or fluorescein as the internal passive reference dye, BrightGreen Express 2X qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers. Key Features: Extremely rapid activation – only 30 seconds!; Ultra-fast qPCR thermal cycling – 10 second annealing/elongation time; Streamlined protocol with a simple reaction set-up; Ultra-fast quantification of a variety of gene targets; Reduces pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1

## TAQPROBE QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-P</b>	<p>TAQPROBE 2X QPCR MasterMix-ROX. Ultimate sensitivity in real-time PCR with TaqProbe 2X qPCR MasterMix. TaqProbe 2X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 2X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features; Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments Please refer to our qPCR MasterMix Selection Guide (found in the Documents section below) for selecting the appropriate qPCR formulation applicable to your particular instrument model. Application: Gene-expression analysis; Gene knockdown validation; SNP genotyping assays CHIP; Copy number variation; Microarray validation; High throughput applications; Virus detection and quantification.</p>	500	reactions	1

## TAQPROBE QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-PL</b>	<p>TAQPROBE 2X QPCR MasterMix-Low ROX. Ultimate sensitivity in real-time PCR with TaqProbe 2X qPCR MasterMix.</p> <p>TaqProbe 2X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 2X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results.</p> <p>Key Features; Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments Please refer to our qPCR MasterMix Selection Guide (found in the Documents section below) for selecting the appropriate qPCR formulation applicable to your particular instrument model. Application: Gene-expression analysis; Gene knockdown validation; SNP genotyping assays; CHiP; Copy number variation; Microarray validation; High throughput applications; Virus detection and quantification.</p>	500	reactions	1
<b>MASTERMIX-PC</b>	<p>TAQPROBE 2X QPCR MasterMix-iCycler. TaqProbe 2X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 2X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio.</p> <p>The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-PS</b>	<p>TAQPROBE 2X QPCR MasterMix-No Dye. TaqProbe 2X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 2X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio.</p> <p>The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-PM</b>	<p>TAQPROBE 2X QPCR MasterMix-Multiplex. TaqProbe 2X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 2X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio.</p> <p>The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1

## TAQPROBE QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-5P</b>	<p>TAQPROBE 5X QPCR MasterMix-ROX. Ultimate sensitivity in real-time PCR with TaqProbe 5X qPCR MasterMix.</p> <p>TaqProbe 5X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 5X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results.</p> <p>Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1
<b>MASTERMIX-5PL</b>	<p>TAQPROBE 5X qPCR MasterMix-Low ROX. Ultimate sensitivity in real-time PCR with TaqProbe 5X qPCR MasterMix.</p> <p>TaqProbe 5X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 5X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results.</p> <p>Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1
<b>MASTERMIX-5PC</b>	<p>TAQPROBE 5X QPCR MasterMix-iCycler. Ultimate sensitivity in real-time PCR with TaqProbe 5X qPCR MasterMix. TaqProbe 5X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 5X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1
<b>MASTERMIX-5PS</b>	<p>TAQPROBE 5X QPCR MasterMix-No Dye. Ultimate sensitivity in real-time PCR with TaqProbe 5X qPCR MasterMix. TaqProbe 5X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 5X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results. Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1

## TAQPROBE QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-5PM</b>	<p>TAQPROBE 5X QPCR MasterMix-Multiplex. Ultimate sensitivity in real-time PCR with TaqProbe 5X qPCR MasterMix.</p> <p>TaqProbe 5X qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, TaqProbe 5X qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results.</p> <p>Key Features: Antibody hot-start technology; Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	1000	reactions	1

## KILOGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-KR</b>	<p>KILOGREEN 2X QPCR MasterMix-ROX. KiloGreen 2X qPCR MasterMix is designed for amplification of complex DNA fragments (i.e. high GC content and secondary structure) ranging from 300bp to 1.3kb in length. Available with the option of ROX or fluorescein as the internal passive reference dye, KiloGreen 2X qPCR MasterMix enables reliable amplification and offers unmatched performance in sensitivity and signal-to-noise ratio. Key Features: Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-KL</b>	<p>KILOGREEN 2X QPCR MasterMix-Low ROX. Amplify long DNA targets in real-time PCR with KiloGreen 2X qPCR MasterMix. KiloGreen 2X qPCR MasterMix is designed for amplification of complex DNA fragments (i.e. high GC content and secondary structure) ranging from 300bp to 1.3kb in length. Available with the option of ROX or fluorescein as the internal passive reference dye, KiloGreen 2X qPCR MasterMix enables reliable amplification and offers unmatched performance in sensitivity and signal-to-noise ratio. Key Features: Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments.</p>	500	reactions	1
<b>MASTERMIX-KC</b>	<p>KILOGREEN 2X QPCR MasterMix-iCycler is designed for amplification of complex DNA fragments (i.e. high GC content and secondary structure) ranging from 300bp to 1.3kb in length. Available with the option of ROX or fluorescein as the internal passive reference dye, KiloGreen 2X qPCR MasterMix enables reliable amplification and offers unmatched performance in sensitivity and signal-to-noise ratio. Key Features: Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments Please refer to our qPCR MasterMix Selection Guide (found in the Documents section below) for selecting the appropriate qPCR formulation applicable to your particular instrument model. Application; Next generation sequencing; Gene-expression analysis; Gene knockdown validation; SNP genotyping assays; CHiP; Copy number variation; Microarray validation; High throughput applications; Virus detection and quantification.</p>	500	reactions	1

## KILOGREEN QPCR MASTERMIX

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>MASTERMIX-KS</b>	<p>KILOGREEN 2X QPCR MasterMix-No Dye. Kilogreen 2X qPCR MasterMix is designed for amplification of complex DNA fragments (i.e. high GC content and secondary structure) ranging from 300bp to 1.3kb in length. Available with the option of ROX or fluorescein as the internal passive reference dye, KiloGreen 2X qPCR MasterMix enables reliable amplification and offers unmatched performance in sensitivity and signal-to-noise ratio. Key Features: Enable streamlined protocol in a simple reaction set-up; Allow accurate quantification of a variety of gene targets; Reduce pipetting steps to minimize the risk of contamination; Compatible with most real-time PCR instruments Please refer to our qPCR MasterMix Selection Guide (found in the Documents section below) for selecting the appropriate qPCR formulation applicable to your particular instrument model. Application; Next generation sequencing; Gene-expression analysis; Gene knockdown validation; SNP genotyping assays; CHiP; Copy number variation; Microarray validation; High throughput applications; Virus detection and quantification.</p>	500	reactions	1

## QPCR CONTROL KITS

Codice	Descrizione Prodotto	Conf.		Pezzi
<b>G929</b>	<p>QPCR CONTROL TEMPLATE Kit. In addition to negative controls, positive controls are also an important part of every experiment to ensure that any reaction abnormalities are not due to reagent or cycler issues. qPCR Control Template Kit is a complete system including a human RNA template, cDNA template and a <math>\beta</math>-actin primer mix, allowing the user to easily incorporate a reliable positive control into their existing qPCR setups. The kit can also be used as a convenient tool for demonstration purposes within teaching laboratories. Features: Streamlined protocol with a simple reaction set-up; Easy-to-use reagents for reliable positive control.</p>	100	reactions	1

## PLATES

Codice	Descrizione Prodotto	Sterile	Volume	Pezzi
<b>T323-100N</b>	<p>“Piastrre 96 pozzetti per per Real Time. Realizzate in polipropilene. Offrendo solo la giusta rigidità per l'automazione, queste piastrre a 96 pozzetti, realizzate in una configurazione standard 8x12, sono perfettamente adatte per cicli termici ad elevate prestazioni. Ciascun pozzetto entra in contatto con il blocco riscaldante mentre il trasferimento di calore rapido e costante è garantito dallo spessore uniforme della parete. Utilizzando polipropilene speciale, i campioni vengono facilmente recuperati grazie ad una superficie a bassa aderenza. T323-101 viene fornito con una gonna ampia che si estende sopra e sotto la piastra su cui può essere apposto un codice a barre per facilitare l'identificazione. T323-103 e T323-104 inoltre offrono la stessa gonna, ma il bordo sopra ciascun pozzetto è alto solo 1 mm.”</p>	NO	0,2	100
<b>T323-101N</b>		NO	0,2	100
<b>T323-103N</b>		NO	0,2	100
<b>T323-104N</b>		NO	0,1	100

## COMPATIBILITÀ

Producing Company	Name of Machine	Cat. No.
<b>Applied Biosystems</b>	StepOne™ Real-Time PCR System	Mastermix-R
	StepOnePlus™ Real-Time PCR System	Mastermix-R
	7500 Real-Time PCR System	Mastermix-LR
	7500 Fast Real-Time PCR System	Mastermix-LR
	7500 Fast Dx Real-Time PCR Instrument	Mastermix-LR
	7500 Real-Time PCR System for Human Identification	Mastermix-LR
	7300 Real-Time PCR System	Mastermix-R
	Viiia™ 7 Real-Time PCR System	Mastermix-LR
	7900HT Fast Real-Time PCR System	Mastermix-R
	OpenArray® Real-Time PCR Platform	Mastermix-R
	QuantStudio™ 12K Flex system	Mastermix-LR
	PRISM® 7000 Sequencing Detection System	Mastermix-R
	PRISM® 7700 Sequencing Detection System	Mastermix-R
	PRISM® 7900 Sequencing Detection System	Mastermix-R
	Gene Amp 5700	Mastermix-R
<b>BioGene</b>	SynChron™	Mastermix-S
	InSyte™	Mastermix-LR
<b>Bio-Rad Laboratories</b>	CFX96 Touch™ Real-Time PCR Detection System	Mastermix-S
	CFX384 Touch™ Real-Time PCR Detection System	Mastermix-S
	MyiQ Thermal Cycler	Mastermix-iC
	MyiQ2 Thermal Cycler	Mastermix-iC
	iQ5 Real-Time PCR Detection System	Mastermix-iC
	Chromo4™ Four-Color Real-Time Detector	Mastermix-S
	CFX Connect™ Real-Time PCR Detection System	Mastermix-S
	Opticon 2 - Continuous Fluorescence Detection System	Mastermix-S
	MiniOpticon™ Real-Time PCR Detection System	Mastermix-S
<b>Cepheid</b>	SmartCycler®	Mastermix-S
	GeneXpert	Mastermix-S

Producing Company	Name of Machine	Cat. No.
<b>Eppendorf</b>	Mastercycler® ep realplex, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex s, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex 4, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex 4s, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler Pro	Mastermix-S
	Mastercycler Pro S	Mastermix-S
	Mastercycler Pro 384	Mastermix-S
	Mastercycler Nexus	Mastermix-S
	Mastercycler Nexus gradient	Mastermix-S
	Mastercycler Nexus eco	Mastermix-S
	Mastercycler Nexus flat	Mastermix-S
<b>Enigma Diagnostics</b>	Enigma® ML	Mastermix-S
<b>Idaho Technologies</b>	LightScanner® 24 System	Mastermix-S
	LightScanner® 32 System	Mastermix-S
	RapidCycler® 2 System	Mastermix-S
	R.A.P.I.D. System	Mastermix-S
	RAZOR EX Instrument	Mastermix-S
	R.A.P.I.D. LT System	Mastermix-S
	R.A.P.I.D. LT Food Security System	Mastermix-S
	JBAIDS System	Mastermix-S
<b>Roche Diagnostics Ltd</b>	LightCycler® 2.0 Instrument	Mastermix-S
	LightCycler® 1.5 Instrument	Mastermix-S
	LightCycler® 96 System	Mastermix-S
	LightCycler® 480 System (system I)	Mastermix-S
	LightCycler® 480 System (System II)	Mastermix-S
	LightCycler® 1536 System	Mastermix-S
	LightCycler® Nano System	Mastermix-S

Producing Company	Name of Machine	Cat. No.
<b>Agilent</b>	Mx3000P® qPCR System	Mastermix-LR
	Mx3005P® qPCR System	Mastermix-LR
	Mx4000® qPCR System	Mastermix-LR
	AriaMx Realtime PCR System	Mastermix-LR
<b>Qiagen</b>	Rotor-Gene™ Q - Pure Detection	Mastermix-S
	Rotor-Gene™ 6000 (see Corbett Rotor-gene series below)	Mastermix-S
<b>Takara</b>	Thermal Cycler Dice™ Real Time System	Mastermix-S
<b>Illumina</b>	Eco Real-Time PCR System	Mastermix-LR
<b>Analytikjena</b>	qTower	Mastermix-LR
	qTower 2.0	Mastermix-LR
	qTower 2.2	Mastermix-LR
	qTower 3	Mastermix-LR
<b>Biometra</b>	TOptical Thermocycler	Mastermix-R
<b>Fluidigm</b>	BioMark™ HD System	Mastermix-R
<b>DNA-Technology</b>	DT-96 ( same as DT prime)	Mastermix-S
	DT-96 (5 filters)	Mastermix-S
	DTlite	Mastermix-S
	DT-322	Mastermix-S
<b>Bioer Technology</b>	LineGene3310/3320 Real-Time PCR Detection System	Mastermix-S
	LineGene K FQD-48A(M2)	Mastermix-S
	LineGene K FQD-48A(A4)	Mastermix-S
	Line Gene I	Mastermix-S
	Line Gene II	Mastermix-S
	Line Gene 9620	Mastermix-S
	Line Gene 9640	Mastermix-S
	Line Gene 9660	Mastermix-S
	Line Gene 9680	Mastermix-S
<b>Bioneer</b>	Exicycler™	Mastermix-S

Producing Company	Name of Machine	Cat. No.
<b>Corbett</b>	Rotor Gene 3000	Mastermix-S
	Rotor Gene 6200	Mastermix-S
	Rotor Gene 62H0	Mastermix-S
	Rotor Gene 6500	Mastermix-S
	Rotor Gene 65H0	Mastermix-S
	Rotor Gene 6600	Mastermix-S
<b>Thermo Scientific</b>	PikoReal	Mastermix-S
<b>Wafergene</b>	SmartChip System	Mastermix-R
<b>TianLong</b>	TL998 System	Mastermix-R
<b>Abbott Molecular</b>	m2000RT	Mastermix-LR
<b>Funglyn</b>	FTC-3000	Mastermix-S
<b>ESCO</b>	Swift™ Spectrum 96 SPT96-4	Mastermix-S
	Swift™ Spectrum 96 SPT96-8	Mastermix-S
	Swift™ Spectrum 48 SPT48	Mastermix-S
<b>Techne</b>	Quantica	Mastermix-S
	Prime Pro 48	Mastermix-S
	Prime Q	Mastermix-S

also DNA Polymerase Selection Guide







Shipping  
Time  
**24h**



Shipping  
Fees  
**€ 0**



Shipping Fees for temperature  
controlled products  
**€ 0**



Minimum  
Order  
**NO**



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