



# PCR Product Guide

2023 EDITION

Whether it's for research or diagnostic product development, we are confident our premium enzymes will meet all your project needs.

	PAGE
PCR Polymerases & MasterMixes .....	01
Reverse Transcription & cDNA Synthesis .....	04
qPCR MasterMixes .....	06
Nucleic Acid Staining Dyes .....	07

# 1. PCR Polymerases & MasterMixes

Meet the next generation of PCR enzymes

**abm** is constantly evolving and so is our product line. Our pursuit of next generation PCR enzymes has led to intensive R&D and significant upgrades to our PCR products. The result - a new collection of world leading PCR enzymes and formulations with performances far beyond the current leading brands. Best of all - at the same discount prices we always offer.



## BlasTaq™

Blast through a routine 2 hour PCR run in only 20 minutes



## BlasTaq™ HotStart

Eliminate non-specific amplification and primer-dimer formation



## MegaFi™ Fidelity

2000X lower error rates compared to regular Taq



## PCR Sure™ Kit

Simplify the PCR optimization process



Standard Taq is also available in enzyme-only or MasterMix with dye formats.

## Polymerase Comparison Table

Characteristic	BlasTaq™	BlasTaq™ HotStart	MegaFi™ Fidelity	Taq	Kodak
Proofreading	No	No	Yes	No	Yes
Fidelity (vs. Native Taq)	1X	1X	1300X	1X	50X
Specificity	•••	••••	••••	•••	••••
Extension Speed	15 sec/kb	15 sec/kb	20-30 sec/kb	60 sec/kb	60 sec/kb
Target Length	10-15 kb	10-15 kb	15-20 kb	6.5 kb	15-20 kb
Suitable for TA cloning	Yes	Yes	No	Yes	No
Special Feature	Fast & Robust	High Specificity	Fidelity & Sensitivity	For Routine PCR	Fidelity & High Robust

## BlasTaq™ DNA Polymerase

Blast through a routine 2 hour PCR run in only 20 minutes

### FEATURES

- 6 kb/min extension speed
- 40-70% less time than Taq
- Superior sensitivity

### PRODUCT DETAILS

Product	Size	Cat. No.
BlasTaq™ DNA Polymerase	400 rxns	G894
BlasTaq™ 2X PCR MasterMix	800 rxns (10.0 ml)	G895
BlasTaq™ 2X qPCR MasterMix	500 rxns (4 x 1.25 ml)	G891
	2,500 rxns (25.0 ml)	G892
BlasTaq™ Probe 2X qPCR MasterMix	500 rxns (4 x 1.25 ml)	G890
BlasTaq™ Probe One-Step RT-qPCR*	100 rxns	G596

\*Contains OneScript™ Plus Reverse Transcriptase (Cat. No. G237)

## BlasTaq™ HotStart DNA Polymerase

Eliminate non-specific amplification and primer dimer formation

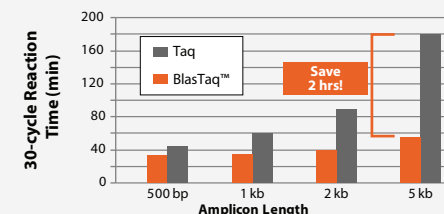
### FEATURES

- No non-specific amplification or primer dimers
- Improves yield of desired product
- Simplifies reaction setup

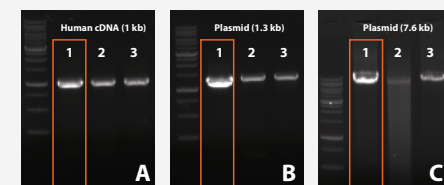
### PRODUCT DETAILS

Product	Size	Cat. No.
BlasTaq™ HotStart DNA Polymerase	400 rxns	G595

### PERFORMANCE DATA

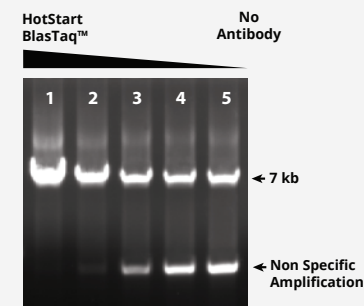


Total reaction times for **abm's** BlasTaq™ DNA Polymerase (Cat. No. G894) and Taq were determined for the amplification of different sized amplicons: 500 bp, 1 kb, 2 kb, and 5 kb. Reaction times are based on a 30-cycle program using the recommended reaction protocol for each enzyme.



PCR amplification using **abm's** BlasTaq™ DNA Polymerase (Cat. No. G894) (column 1) of various targets vs. competitor polymerases (column 2 and 3) followed by electrophoresis on a 1% agarose gel. A) 1 kb target from Human cDNA. B) 1.3 kb target from plasmid DNA. C) 7.6 kb target from plasmid DNA.

### PERFORMANCE DATA



BlasTaq™ HotStart DNA Polymerase eliminates non-specific amplification. **abm's** BlasTaq™ HotStart DNA Polymerase (Cat. No. G595) was used to amplify a 7 kb target. The antibody concentration was decreased incrementally from lanes 1-5. Lane 1 is our BlasTaq™ HotStart formulation and lane 5 contains no antibody.

## MegaFi™ Pro DNA Polymerase

2000X lower error rates compared to regular Taq

### FEATURES

- 2000X higher fidelity than Taq
- Amplifies difficult templates
- Effective in long-range PCR

### PRODUCT DETAILS

Product	Size	Cat. No.
MegaFi™ Pro Fidelity DNA Polymerase	400 rxn	G886
MegaFi™ Pro Fidelity 2X PCR MasterMix	800 rxn (10.0 ml)	G887
MegaFi™ Pro One-Step RT-PCR*	100 rxn	G597

\*Contains OneScript™ Hot Reverse Transcriptase (Cat. No. G593)

## PCR Sure™ Kit

Simplify the PCR optimization process

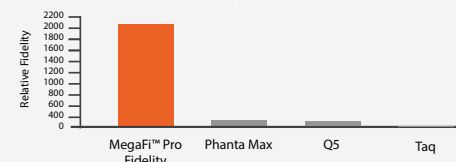
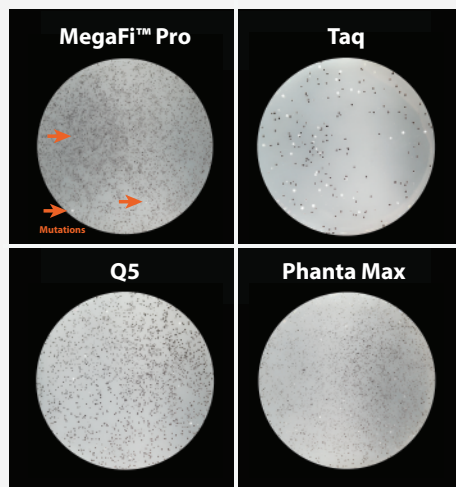
### FEATURES

- Amplifies Difficult Templates
- Saves PCR Optimization Time
- Guaranteed to Work

### PRODUCT DETAILS

Product	Size	Cat. No.
PCR Sure™ Kit	400 rxn	G886
Kodacq 2X PCR MasterMix	800 rxn	G597

### PERFORMANCE DATA



MegaFi™ Pro Fidelity DNA Polymerase offers 2,000X lower error rates than regular Taq. abm's MegaFi™ Pro Fidelity DNA Polymerase (Cat. No. G886/G887) has the highest accuracy rate compared to other DNA polymerases as tested using blue/white colony screening. Shown as relative fidelity compared to Taq DNA Polymerase (Taq = 1X).



## 2. Reverse Transcription & cDNA Synthesis

The new gold standard in cDNA synthesis

With improved thermostability, sensitivity, robustness, and resistance to contaminants, abm's OneScript® brand of Reverse Transcriptases set a new benchmark for cDNA synthesis. Our OneScript® Hot is the only Reverse Transcriptase in the world that preserves performance at 50-80°C, making it useful for even the most challenging projects.



### OneScript® Hot

The superior choice for challenging RNA templates



### OneScript® Plus

Complete routine cDNA synthesis in 10-15 minutes

## Reverse Transcriptase Comparison Table

Characteristic	OneScript® Hot	OneScript® Plus
Thermostability	50-80°C	50-55°C
Optimal Temperature	60°C	50°C
Maximum cDNA Elongation	15 kb	15 kb
Minimum Sample Input	0.1 pg	0.1 pg
Reaction Time	10 min	10 min
Inhibitor/Contamination Resistance	••••	•••
Tolerance to Complex Templates	••••	•••

## OneScript® Hot Reverse Transcriptase

The superior choice for challenging RNA templates

### FEATURES

- Extreme thermostability at 50-80°C
- Transcribes degraded samples and resists inhibitors/contaminants
- High cDNA yields from difficult or ultra-low RNA samples

### PRODUCT DETAILS

Product	Size	Cat. No.
OneScript® Hot Reverse Transcriptase	100 rxn	G593
OneScript® Hot cDNA Synthesis Kit	100 rxn	G594
MegaFi™ One-Step RT-PCR	100 rxn	G597

## All-In-One 5X RT MasterMix

One-step setup with genomic DNA removal

### FEATURES

- Genomic DNA Removal
- Efficient cDNA Synthesis
- Easy One-Step Setup

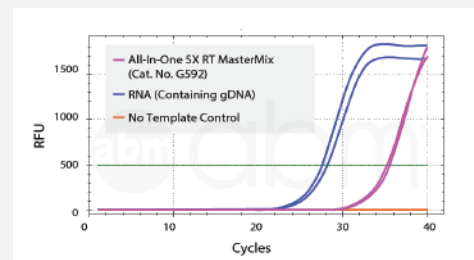
### PRODUCT DETAILS

Product	Size	Cat. No.
All-in-One 5X RT MasterMix	100 rxn	G592



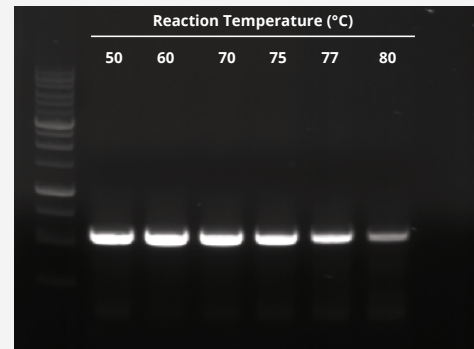
Easy one-step setup! Simply add your RNA sample with our mastermix and incubate.

### PERFORMANCE DATA



**All-In-One 5X RT MasterMix (Cat. No. G592) ensures accurate qPCR results where contaminating gDNA would otherwise result in artificially-early Ct values.** RNA samples contaminated with gDNA were reverse-transcribed for 25 min with All-In-One 5X RT MasterMix. 1µl of RT product was then used in qPCR to assay amplification of a GAPDH target.

### PERFORMANCE DATA



OneScript® Hot Reverse Transcriptase has exceptional thermostability. OneScript® Hot Reverse Transcriptase (Cat. No. G593) was used in a 10 min. reaction with RNA template at temperatures ranging from 50 and 80°C. The resulting synthesized cDNA was followed by PCR and visualized on a 1% agarose gel.

## OneScript® Plus Reverse Transcriptase

Complete routine cDNA synthesis in 10-15 minutes

### FEATURES

- High thermostability at 50-55°C
- Synthesize 15 kb RNA Templates
- 10-15 minutes reaction time

### PRODUCT DETAILS

Product	Size	Cat. No.
OneScript® Plus Reverse Transcriptase	100 rxn	G237
OneScript® Plus cDNA Synthesis Kit	100 rxn	G236

## RNaseOFF Ribonuclease Inhibitor

Protect your RNA against RNase contamination without inhibiting polymerase activity

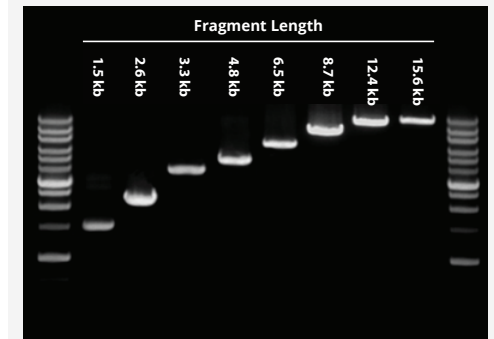
### FEATURES

- High stability at 70°C
- High resistance to oxidation
- No downstream inhibition

### PRODUCT DETAILS

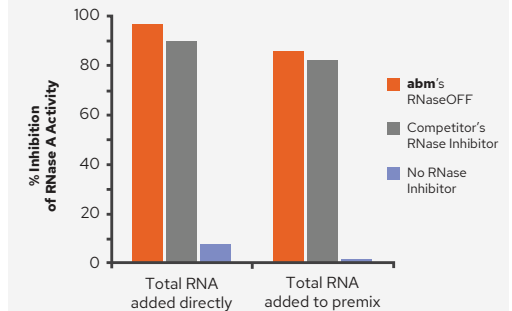
Product	Size	Cat. No.
RNaseOFF Ribonuclease Inhibitor	100 rxn	G138
RNaseOFF Ribonuclease Inhibitor	2 x 1.25 ml	G591

### PERFORMANCE DATA



OneScript® Plus Reverse Transcriptase can elongate RNA templates up to 15 kb in length. OneScript® Plus Reverse Transcriptase (Cat. No. G237) was used in a reaction with a range of human RNA fragments. The resulting synthesized cDNA was followed by PCR and visualized on a 1% agarose gel.

### PERFORMANCE DATA



**abm's RNaseOFF Ribonuclease Inhibitor outperforms competitors.**

Yeast total RNA was either added directly to or after a pre-incubated mixture of RNaseOFF Ribonuclease Inhibitor (Cat. No. G138/G591) and RNase A. abm's RNaseOFF Ribonuclease Inhibitor eliminates up to 95% of RNase A activity and inhibits more than a competing RNase Inhibitor.



Compared to competing brands!

## 3. qPCR MasterMixes

Enjoy world-class standards in performance

Whether it's for research or diagnostic applications, **abm's** 15+ years of experience in PCR, qPCR, RT-qPCR, and RT-PCR product development have culminated in our world-class, specially formulated collection of MasterMixes and Kits, saving you time and streamlining your experimental set-up.



**MasterMixes and Kits**  
Simplified workflows for your routine PCR

### qPCR and One-Step RT MasterMixes

All the ingredients you need to simplify your workflow

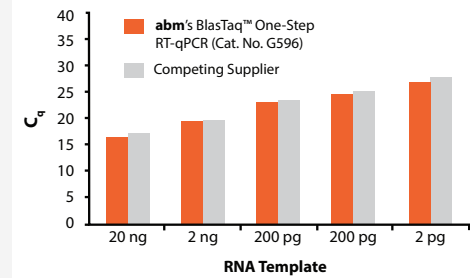
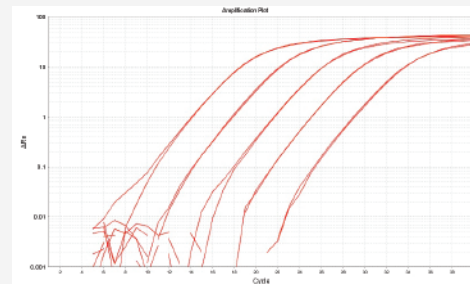
#### FEATURES

- Premixed and ready-to-use
- Simple and streamlined for high-throughput use
- Reduce handling errors

#### PRODUCT DETAILS

Dye-based qPCR	Size	Cat. No.
BlasTaq™ 2X qPCR MasterMix	500 rxn (4 x 1.25 ml)	G891
	2,500 rxn (25.0 ml)	G892
Probe-based qPCR	Size	Cat. No.
BlasTaq™ Probe 2X qPCR MasterMix	500 rxn (4 x 1.25 ml)	G890
One-Step RT	Size	Cat. No.
BlasTaq™ Probe One-Step RT-qPCR	100 rxn	G596
MegaFi™ One-Step RT-PCR*	100 rxn	G597

#### PERFORMANCE DATA



BlasTaq™ Probe One-Step RT-qPCR has superb sensitivity and signal-to-noise ratio. 20 µl One-Step RT-qPCR reactions (20 ng, 2 ng, 200 pg, 20 pg, or 2 pg of RNA per reaction) were carried out with **abm's** BlasTaq™ One-Step RT-qPCR (Cat. No. G596) for GAPDH amplification.

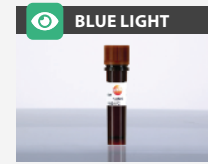
\*Contains OneScript™ Hot Reverse Transcriptase (Cat. No. G593)

## 4. Nucleic Acid Staining Dyes

Safer alternatives for nucleic acid visualization

Developed to replace toxic ethidium bromide, SafeView™ products are a new class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in both agarose and polyacrylamide gels.

SafeView™ products are **non-carcinogenic** by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermatocyte chromosomal aberration tests.



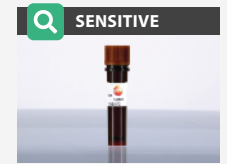
#### Loading Dyes

All loading dyes are compatible with blue light



#### Gel Casting Dyes

All our biosafe stains are non-mutagenic



#### Post Staining Dyes

Detect as little as 100 pg of DNA

### Product Comparison Table

	Product Name	Cat. No.	UV	Blue Light	Excitation Maxima	Emission Maxima	Sensitivity (per band)
Loading Dyes	Safe-Green™	G108-G	✓	✓	490 nm, ~265 nm	525 nm ●	0.2 - 0.6 ng
	Safe-Red™	G108-R	✓	✓	300 nm	600 nm ●	0.6 - 0.8 ng
Gel Casting Dyes	SafeView™ Classic	G108	✓	✓	490 nm	520 nm ● 635 nm ●	0.1 - 0.3 ng
	SafeRed™ Gel	G680	✓	✓	300 nm	600 nm ●	0.6 - 1 ng
Post Staining Dyes	SafeRed™ Gel	G680	✓	✓	300 nm	600 nm ●	0.6 - 1 ng

### SafeView™ DNA Stains

Non-toxic stains for DNA/RNA gel visualization




#### FEATURES

- Safe visualization of nucleic acids in gels without the need for toxic ethidium bromide
- Sensitive detection of as little as 0.01 pg of DNA per gel band
- Easy-to-use and visualize bands using UV or blue light
- Higher transformation rates and lower mutation rates





## 5. Mycoplasma PCR Detection Kits

Enjoy superior performance at a lower cost

abm's Mycoplasma PCR Detection Kits offer highly specific and sensitive detection of 200+ strains of Mycoplasmas in less than 2 hours. Our latest offering, Mycoplasma Pro PCR Detection Kit, is an improved version of our best-selling kit which now includes a modified Pro Primer Mix and more stringent cycling conditions and an internal PCR control. A recent official publication by a national public health agency found that our Mycoplasma Detection Kit out-performs Sigma and Lonza's kits while being 6X less expensive than ATCC's kit (Russell et al., 2020).

 Russell, B. J., Horiuchi, K., Velez, J. O., Goodman, C. H., & Johnson, B. W. (2020). Mycoplasma detection in a historical arbovirus repository: Commercial kit comparison and implications for improved repository management. *Journal of virological methods*, 276, 113769. <https://doi.org/10.1016/j.jviromet.2019.113769>

### FEATURES

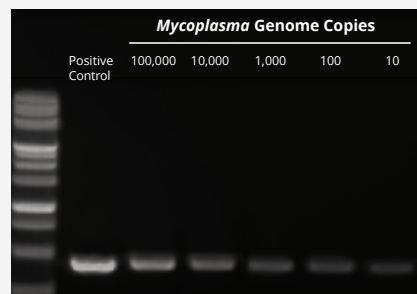
-  Get results in only 1 hr
-  Detects 200+ Mycoplasma species
-  Easy-to-use (no DNA isolation needed)
-  Superior performance compared to Sigma & Lonza kits

### PRODUCT DETAILS

Product Name	Size	Cat. No.
Mycoplasma PCR Detection Kit	100 rxn	G238
Mycoplasma Pro PCR Detection Kit	100 rxn	G239
Mycoplasma Elimination Cocktail	1 ml	G398
Mycoplasma PCR Detection & Elimination Kit	1 Kit	G238-G398
Mycoplasma Pro PCR Detection & Elimination Kit	1 Kit	G239-G398



### PERFORMANCE DATA



**abm's Mycoplasma PCR Detection Kit can detect samples containing as low as 10 genome copies of Mycoplasma.** abm's Mycoplasma PCR Detection Kit (Cat. No. G238) was used to detect samples containing ~10 to 100,000 genome copies of Mycoplasma. Presence of Mycoplasma was confirmed as a 450 bp band.





## 6. Viral Titer Kits

Complete elimination of NTC amplification

Get accurate titer results in about 1 hour with abm's collection of viral titer kits for adeno-associated virus (AAV), lentivirus, and retrovirus. Simple, sensitive, and ready-to-use, abm's viral titer kits contain our next generation PCR Polymerases or Reverse Transcriptases for the best enzyme performance on the market.

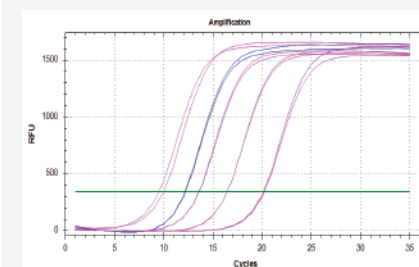


### FEATURES

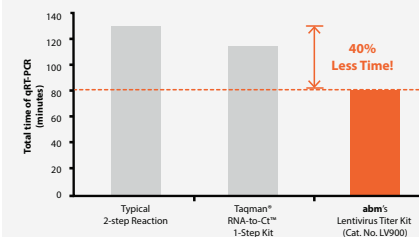
-  Fast - get results in about 1 hour
-  The only kit on the market with no non-specific (NTC) amplification
-  Ready-to-use, no purification needed
-  Use directly on neat viral particles

Product Name	Size	Cat. No.
qPCR Lentivirus Titer kit	100 rxn	LV900
qPCR AAV Titer Kit	100 rxn	G931
qPCR Retrovirus Titer Kit	100 rxn	G949

### PERFORMANCE DATA



**abm's qPCR Lentivirus Titer Kit enables easy visualization of viral titers.** A lentivirus sample (blue) was processed following the protocol for the qPCR Lentivirus Titer Kit and amplified in a qPCR reaction along with standards included in the kit (purple).



**abm's qPCR Lentivirus Titer Kit is the fastest qPCR titering kit on the market.** Total qRT-PCR reaction times of abm's qPCR Lentivirus Titer Kit, the Taqman<sup>®</sup> RNA-to-Ct<sup>™</sup> 1-Step Kit, and the time required for a typical 2-step reaction were compared.

# PCR Competitor Cross Reference Table

## QIAGEN

Product Name	Cat. No.	abm Equivalent	Cat. No.
HotStar Taq DNA Polymerase	203207 203203 203205 203209	BlasTaq™ HotStart DNA Polymerase	G595
HotStar Taq Master Mix Kit	203446 203443 203445	BlasTaq™ 2X PCR MasterMix	G895
HotStarTaq Plus DNA Polymerase	203603 203605 203609 203607	BlasTaq™ HotStart DNA Polymerase	G595
HotStarTaq Plus Master Mix Kit	203646 203645 203643	BlasTaq™ 2X PCR MasterMix G895	
QIAGEN Fast Cycling PCR Kit	203743 203745		
Taq DNA Polymerase	201203 201205 201207 201209	Taq DNA Polymerase	G009
Taq PCR Master Mix Kit	201445 201443	Taq 2X PCR MasterMix	G888

## TaKaRa

Product Name	Cat. No.	abm Equivalent	Cat. No.
TaKaRa Taq DNA Polymerase	R001C R001B R001A	Taq DNA Polymerase	G009
Premix Taq™ DNA Polymerase (TaKaRa Taq™ Version 2.0)	R004A	Taq 2X PCR MasterMix	G888
PrimeSTAR GXL DNA Polymerase	R050B R050A	MegaFi™ Pro Fidelity DNA Polymerase	G886
PrimeSTAR Max DNA Polymerase	R045B R045A		
PrimeSTAR® GXL Premix Fast, Dye plus	R052A	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
PrimeSTAR® GXL Premix	R051A		
SpeedSTAR HS Polymerase	RR070B RR070A	BlasTaq™ DNA Polymerase	G894
TaKaRa Z-Taq™ DNA Polymerase	R006B R006A		
SapphireAmp® Fast PCR Master Mix	RR350B RR350A	BlasTaq™ 2X PCR MasterMix	G895
TaKaRa Taq DNA Polymerase HotStart	R007B R007A	BlasTaq™ HotStart DNA Polymerase	G595
TaKaRa Taq HS Perfect Mix	R300B R300A		

## NEB

Product Name	Cat. No.	abm Equivalent	Cat. No.
Q5 High Fidelity DNA Polymerase	M0491S M0491L	MegaFi™ Pro Fidelity DNA Polymerase	G886
Q5 HotStart High Fidelity 2X MasterMix	M0494S M0494L		
Q5 HotStart High Fidelity DNA Polymerase	M0493S M0493L	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
Q5 High Fidelity 2X MasterMix	M0492S M0492L		
Phusion High Fidelity DNA Polymerase	M0530S M0530L	MegaFi™ Pro Fidelity DNA Polymerase	G886
Phusion® High-Fidelity PCR Master Mix with HF Buffer	M0531S M0531L	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
Phusion® High-Fidelity PCR Master Mix with GC Buffer	M0532S M0532L		
Phusion® Hot Start Flex DNA Polymerase	M0535S M0535L	MegaFi™ Pro Fidelity DNA Polymerase	G886
Phusion® Hot Start Flex 2X MasterMix	M0536S M0536L	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
Taq DNA Polymerase with Standard Taq Buffer	M0273S M0273L M0273X M0273E	Taq DNA Polymerase	G009
Taq 2X MasterMix	M0270L	Taq 2X PCR MasterMix	G888
Quick-Load® Taq 2X Master Mix	M0271L	Taq 2X PCR MasterMix	G888
Hot Start Taq DNA Polymerase	M0495S M0495L	BlasTaq™ HotStart DNA Polymerase	G595

## BioRad

Product Name	Cat. No.	abm Equivalent	Cat. No.
iProof High Fidelity DNA Polymerase	1725302 1725301	MegaFi™ Pro Fidelity DNA Polymerase	G886
iProof HF MasterMix	1725310	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
iTaq DNA Polymerase	1708870 1708875	Taq DNA Polymerase	G009

**Compare performance and pricing using our online interactive tool:**  
[www.abmgood.com/pcr-competitor-cross-reference-tool](http://www.abmgood.com/pcr-competitor-cross-reference-tool)



## LifeTechnologies

Product Name	Cat. No.	abm Equivalent	Cat. No.
Taq DNA Polymerase, recombinant	10342053 10342020 10342046 10342178	Taq DNA Polymerase	G009
Taq DNA Polymerase, native	18038018 18038042 18038067 18038240		
Platinum SuperFi II DNA Polymerase	12361010 12361050 12361250	MegaFi™ Pro Fidelity DNA Polymerase	G886
Platinum SuperFi II PCR MasterMix	12368010 12368050 12368250	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
Platinum SuperFi II Green PCR MasterMix	12369010 12369050 12369250		
Platinum SuperFi DNA Polymerase	12351010 12351050 12351250	MegaFi™ Pro Fidelity DNA Polymerase	G886
Platinum SuperFi PCR MasterMix	12358010 12358050 12358250	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
Platinum II Taq Hot-Start DNA Polymerase	14966001 14966005 14966025	BlasTaq™ HotStart DNA Polymerase	G595
Platinum II Taq Hot-Start PCR MasterMix	14000012 14000013 14000014	BlasTaq™ 2X PCR MasterMix	G895
Platinum II Taq Hot-Start Green PCR MasterMix	14001012 14001013 14001014		
Platinum Taq DNA Polymerase	10966018 10966026 10966034 10966083	BlasTaq™ DNA Polymerase	G894
Platinum Hot-Start PCR MasterMix	13000012 13000013 13000014	BlasTaq™ 2X PCR MasterMix	G895
Platinum Green HotStart PCR MasterMix	13001012 13001013 13001014		
Platinum™ Taq DNA Polymerase High Fidelity	11304011 11304029 11304102	MegaFi™ Pro Fidelity DNA Polymerase	G886
AccuPrime Pfx DNA Polymerase	12344024 12344032		
AmpliTaq Gold Fast PCR MasterMix	4390937 4390939 4390941	BlasTaq™ 2X PCR MasterMix	G895
AmpliTaq DNA Polymerase with Buffer I	N8080152 N8080155 N8080160 N8080171 N8080185	Taq 2X PCR MasterMix	G888

Product Name	Cat. No.	abm Equivalent	Cat. No.
AmpliTaq DNA Polymerase with Buffer II	N8080153 N8080156 N8080161 N8080172 N8080186	Taq 2X PCR MasterMix	G888
AmpliTaq Gold 360 DNA Polymerase	4398813 4398823 4398833 4398892 4398894 4398896 4398898	Taq DNA Polymerase	G009
AmpliTaq Gold 360 MasterMix	4398876 4398881 4398886 4398901	Taq 2X PCR MasterMix	G888
DreamTaq Green DNA Polymerase	EP0711 EP0712 EP0713 EP0714	Taq DNA Polymerase	G009
DreamTaq Green PCR MasterMix	K1081 K1082	Taq 2X PCR MasterMix	G888
DreamTaq DNA Polymerase	EP0701 EP0702 EP0703 EP0704 EP0705	Taq DNA Polymerase	G009
DreamTaq PCR MasterMix	K1071 K1072	Taq 2X PCR MasterMix	G888
DreamTaq HotStart DNA Polymerase	EP1701 EP1702 EP1703 EP1704	BlasTaq™ HotStart DNA Polymerase	G595
DreamTaq HotStart PCR MasterMix	K9011 K9012	BlasTaq™ 2X PCR MasterMix	G895
DreamTaq HotStart Green DNA Polymerase	EP1711 EP1712 EP1713 EP1714	BlasTaq™ HotStart DNA Polymerase	G595
DreamTaq HotStart Green PCR MasterMix	K9021 K9022	BlasTaq™ 2X PCR MasterMix	G895

## KAPA

Product Name	Cat. No.	abm Equivalent	Cat. No.
Kapa HiFi DNA Polymerase	KK2101 KK2102	MegaFi™ Pro Fidelity DNA Polymerase	G886
KAPA HiFi HotStart ReadyMix	KK2601 KK2602	MegaFi™ Pro Fidelity 2X PCR MasterMix	G887
KAPA Taq PCR Kits - Standard kit	KK1008 KK1016 BK1001 BK1003	Taq DNA Polymerase	G009
KAPA Taq PCR Kits - ReadyMix	KK1006	Taq 2X PCR MasterMix	G888

# qPCR Competitor Cross Reference Table

## QIAGEN

Product Name	Cat. No.	abm Equivalent	Cat. No.
Quantitect SYBR Green PCR Kit	204143 204145	BlasTaq™ 2X qPCR MasterMix	G891/G892
Quantitect Probe PCR Kit	204343 204345	BlasTaq™ Probe 2X qPCR MasterMix	G890
Quantitect Probe RT-PCR Kit	204443 204445	BlasTaq™ Probe One-Step RT-qPCR	G596
Quantitect Multiplex RT-PCR NR Kit	204843 204845		
Quantitect Multiplex RT-PCR Kit	204543 204645		
Quantinova SYBR Green PCR Kit	208052 208054 208056 208057	BlasTaq™ 2X qPCR MasterMix	G891/G892
Quantinova Probe PCR Kit	208252 208254 208256 208257	BlasTaq™ Probe 2X qPCR MasterMix	G890
Quantinova Multiplex PCR Kit	208452 208454 208456		
Quantinova Probe RT-PCR Kit	208452 208454 208456	BlasTaq™ Probe One-Step RT-qPCR	G596
Quantinova Multiplex RT-PCR Kit	208452 208454 208456		

## TaKaRa

Product Name	Cat. No.	abm Equivalent	Cat. No.
TB Green® Advantage® qPCR Premix	639676	BlasTaq™ 2X qPCR MasterMix	G891/G892
Premix Ex Taq™ (Probe qPCR)	RR390A RR390L RR390B RR390R RR390W	BlasTaq™ Probe 2X qPCR MasterMix	G890
Premix Ex Taq™ DNA Polymerase (Perfect Real Time)	RR039A RR039B RR039W		
One Step PrimeScript™ III RT-PCR Kit	RR600S RR600A RR600B	BlasTaq™ Probe One-Step RT-qPCR	G596
One Step PrimeScript™ RT-PCR Kit (Perfect Real Time)	RR064A RR064B		

## Promega

Product Name	Cat. No.	abm Equivalent	Cat. No.
GoTaq® qPCR Master Mix	A6001 A6002	BlasTaq™ 2X qPCR MasterMix	G891/G892
GoTaq® Probe qPCR Master Mix	A6101 A6102	BlasTaq™ Probe 2X qPCR MasterMix	G890
GoTaq® Probe-1Step RT-qPCR System	A6120 A6121	BlasTaq™ Probe One-Step RT-qPCR	G596

## Life/Invitrogen

Product Name	Cat. No.	abm Equivalent	Cat. No.
Absolute Blue QPCR Mix, SYBR Green, low ROX	AB4323A AB4322B	BlasTaq™ 2X qPCR MasterMix	G891/G892
Absolute Blue QPCR Mix, SYBR Green, ROX	AB4163A AB4162B		
Absolute QPCR Mix, SYBR Green, no ROX	AB1149A AB1158B		
Absolute QPCR Mix, SYBR Green, low ROX	AB1323A AB1322B		
Absolute QPCR Mix, SYBR Green, ROX	AB1163A AB1162B		
TaqMan™ Fast Advanced Master Mix, no UNG	A44359 A44360	BlasTaq™ Probe 2X qPCR MasterMix	G890
SuperScript™ III Platinum™ One-Step qRT-PCR Kit	11732020 11732088	BlasTaq™ Probe One-Step RT-qPCR	G596
SuperScript™ III Platinum™ One-Step qRT-PCR Kit w/ROX	11745100 11745500		

## NEB

Product Name	Cat. No.	abm Equivalent	Cat. No.
Luna® Universal qPCR Master Mix	M30035 M3003L M3003X M3003E	BlasTaq™ 2X qPCR MasterMix	G891/G892
Luna® Universal Probe qPCR Master Mix	M30045 M3004L M3004X M3004E	BlasTaq™ Probe 2X qPCR MasterMix	G890
Luna® Probe One-Step RT-qPCR Kit (No ROX)	E3007E	BlasTaq™ Probe One-Step RT-qPCR	G596
Luna® Universal Probe One-Step RT-qPCR Kit	E3006S E3006L E3006X 3006E		

## KAPA

Product Name	Cat. No.	abm Equivalent	Cat. No.
KAPA SYBR FAST Universal 2X qPCR Mastermix	KK4600 KK4601 KK4602 KK4618	BlasTaq™ 2X qPCR MasterMix	G891/G892
KAPA PROBE FAST Universal 2X qPCR MasterMix	KK4701 KK4702 KK4703 KK4715	BlasTaq™ Probe 2X qPCR MasterMix	G890
KAPA PROBE FAST One-Step	KK4752	BlasTaq™ Probe One-Step RT-qPCR	G596

## LifeTechnologies

Product Name	Cat. No.	abm Equivalent	Cat. No.
iTaq Universal SYBR Green Supermix	1725120 1725121 1725122 1725124 1725125	BlasTaq™ 2X qPCR MasterMix	G891/G892
iTaq Universal Probes Supermix	1725130 1725131 1725132 1725134 1725135	BlasTaq™ Probe 2X qPCR MasterMix	G890
iTaq Universal Probes One-Step Kit	1725140 1725141	BlasTaq™ Probe One-Step RT-qPCR	G596

# RT-PCR Competitor Cross Reference Table

## Meridian Life Science

Product Name	Cat. No.	abm Equivalent	Cat. No.
Tetro Reverse Transcriptase	BIO-65050	OneScript® Plus Reverse Transcriptase	G237
Tetro cDNA Synthesis Kit	BIO-65042 BIO-65043	OneScript® Plus cDNA Synthesis Kit	G236

## Promega

Product Name	Cat. No.	abm Equivalent	Cat. No.
GoScript Reverse Transcriptase	A5003 A5004	OneScript® Plus Reverse Transcriptase	G237
M-MLV Reverse Transcriptase, RNase H Minus	M5301		
GoScript Reverse Transcriptase Complete Kit	A5000	OneScript® Plus cDNA Synthesis Kit	G236
GoTaq® Probe 1-Step RT-qPCR System	A6120 A6121	BlasTaq™ Probe One-Step RT-qPCR	G596

## Invitrogen

Product Name	Cat. No.	abm Equivalent	Cat. No.
SuperScript™ IV Reverse Transcriptase	18090010 18090050 18090200	OneScript® Hot Reverse Transcriptase	G593
SuperScript™ IV First-Strand Synthesis System	18091050 18091200	OneScript® Hot Reverse Transcriptase cDNA Synthesis Kit	G594
SuperScript™ IV VILO™ Master Mix with ezDNase™ Enzyme	11766050 11766500	All-in-One 5X RT MasterMix	G592
SuperScript™ IV One-Step RT-PCR System	12594025 12594100	MegaFi™ One-Step RT-PCR	G597
SuperScript™ III Platinum™ One-Step qRT-PCR Kit	11732020 11732088	BlasTaq™ Probe One-Step RT-qPCR	G596
SuperScript™ III Platinum™ One-Step qRT-PCR Kit w/ROX	11745100 11745500	BlasTaq™ Probe One-Step RT-qPCR	G596

## TransGen Biotech

Product Name	Cat. No.	abm Equivalent	Cat. No.
TransScript® One-Step gDNA Removal and cDNA Synthesis SuperMix	AT311-02 AT311-03 AT311-04	All-in-One 5X RT MasterMix	G592

## Thermo Scientific

Product Name	Cat. No.	abm Equivalent	Cat. No.
Maxima H Minus Reverse Transcriptase (200 U/μL)	EP0752 EP0753	OneScript® Hot Reverse Transcriptase	G593
Maxima H Minus First Strand cDNA Synthesis Kit	K1651 K1652	OneScript® Hot Reverse Transcriptase cDNA Synthesis Kit	G594
Maxima H Minus cDNA Synthesis Master Mix	M1661 M1662	All-in-One 5X RT MasterMix	G592

Compare performance and pricing using our online interactive tool:

[www.abmgood.com/pcr-competitor-cross-reference-tool](http://www.abmgood.com/pcr-competitor-cross-reference-tool)



## NEB

Product Name	Cat. No.	abm Equivalent	Cat. No.
ProtoScript II First Strand cDNA Synthesis Kit	E65605 E6560L	OneScript® Plus cDNA Synthesis Kit	G236
Induro RT	M0681S M0681L	OneScript® Hot Reverse Transcriptase	G593
LunaScript RT SuperMix	M3010L M3010X M3010E	All-in-One 5X RT MasterMix	G592
OneTaq® One-Step RT-PCR Kit	E5315S	MegaFi™ One-Step RT-PCR	G597
ProtoScript II Reverse Transcriptase	M0368L M0368X	OneScript® Plus Reverse Transcriptase	G237
Luna® Probe One-Step RT-qPCR Kit (No ROX)	E3007E	BlasTaq™ Probe One-Step RT-qPCR	G596
Luna® Universal Probe One-Step RT-qPCR Kit	E3006S E3006L		

## BioRad

Product Name	Cat. No.	abm Equivalent	Cat. No.
iScript cDNA Synthesis Kit	1708890 1708891 1708891BUN	OneScript® Plus cDNA Synthesis Kit	G236
iScript gDNA Clear cDNA Synthesis Kit	1725034 1725035 1725034BUN	All-in-One 5X RT MasterMix	G592
iTaq Universal Probes One-Step Kit	1725140 1725141	BlasTaq™ Probe One-Step RT-qPCR	G596

## Quantabio

Product Name	Cat. No.	abm Equivalent	Cat. No.
qScript Ultra SuperMix	95217-100 95217-500	All-in-One 5X RT MasterMix	G592

## Qiagen

Product Name	Cat. No.	abm Equivalent	Cat. No.
QIAGEN OneStep RT-PCR Kit	210212	MegaFi™ One-Step RT-PCR	G597
Quantitect Probe RT-PCR Kit	204443 204445	BlasTaq™ Probe One-Step RT-qPCR	G596
Quantitect Multiplex RT-PCR NR Kit	204843 204845		
Quantitect Multiplex RT-PCR Kit	204645		
Quantinova Probe RT-PCR Kit	209352 208354		
Quantinova Multiplex RT-PCR Kit	208552 208554		

## TaKaRa

Product Name	Cat. No.	abm Equivalent	Cat. No.
PrimeScript One Step RT-PCR Kit	RR057B	MegaFi™ One-Step RT-PCR	G597
Advantage RT-for-PCR Kit	639506 639505	OneScript® Hot Reverse Transcriptase cDNA Synthesis Kit	G594
One Step PrimeScript™ III RT-PCR Kit	RR600A RR600B	BlasTaq™ Probe One-Step RT-qPCR	G596
One Step PrimeScript™ RT-PCR Kit (Perfect Real Time)	RR064A RR064B		