



SURELY BETTER PCR REAGENTS AND INSTRUMENTATION FOR ACCURACY, RELIABILITY, AND SPEED

PCR
Catalog

The Measure of Confidence



Agilent Technologies

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Smart Amplification Starts with the Right Tools

Agilent Technologies – building upon Stratagene’s legacy of excellence – provides a wide range of high-fidelity, specialty and routine enzymes built to meet virtually every amplification need.

Agilent’s PCR portfolio solution goes beyond the products, offering you an experienced technical support team for help in designing assays, optimizing protocols, and troubleshooting programs.

Surely Better PCR



The ArchaeMaxx Polymerase-Enhancing Factor

ArchaeMaxx overcomes the stalling of proofreading enzymes when dUTP is present within the template or PCR reaction.

- Exclusively found in Agilent's high-fidelity DNA polymerases
- Functions as a dUTPase, converting poisonous dUTP into harmless dUMP
- Increases PCR yield and polymerase length capability



The Importance of High-Fidelity

High-fidelity PCR enzymes are valuable for minimizing the introduction of amplification generated errors in products utilized in downstream processes.

- Ideal for cloning, sequencing, and expression studies
- Reduces the number of clones that must be sequenced
- Obtains higher frequencies of error free constructs and accurate consensus sequences



Fusion Technology

The processivity of Agilent's premium enzymes are dramatically increased by fusing the DNA polymerase with a high-affinity double-stranded DNA binding domain.

- Shorter extension times through faster nucleotide incorporation
- Serves to better anchor the DNA polymerase
- Prevents early dissociation from the DNA template



Hot Start Formulation

Hot start formulation provides higher specificity, reduced background and enhanced yield.



Master Mix Format

Master mix format provides added convenience and allows high-throughput setup.

Polymerase Selection Guide

PCR Enzyme	Page	Fidelity	Speed	Yield	Target Length (genomic DNA)	Sensitivity
PfuUltra II Fusion HotStart DNA Polymerase <i>Engineered to be the highest fidelity and fastest polymerase available</i>	6	 1 error/2.5 million bp	 15 sec/kb		 0-19 kb	
Herculase II Fusion DNA Polymerase <i>High-fidelity polymerase for difficult targets. Provides superior yields over a broad range of targets. Economical enough for routine use</i>	8	 1 error/770,000 bp	 15 sec/kb		 "0-12kb 12-23 kb (optimized)"	
PfuUltra High-Fidelity DNA Polymerase AD <i>Engineered for high-fidelity</i>	13	 1 error/2.25 million bp	 1 min/kb		 19 kb (optimized)	
PfuTurbo DNA Polymerase AD <i>First high-fidelity polymerase to include the ArchaeMaxx Polymerase-Enhancing factor</i>	13	 1 error/770,000 bp	 1 min/kb		 19 kb (optimized)	
Herculase Enhanced DNA Polymerase <i>Designed for difficult targets</i>	13	 1 error/375,000 bp	 1 min/kb		 12 kb	
Cloned Pfu DNA Polymerase AD <i>Cloned to ensure ultrapure manufacturing of Pfu</i>	13	 1 error/770,000 bp	 2 min/kb		 "1 kb 5 kb (optimized)"	
Native Pfu DNA Polymerase <i>Stratagene introduced the first thermophilic proofreading polymerase</i>	13	 1 error/770,000 bp	 2 min/kb		 (up to 1 kb)	
PfuTurbo Cx HotStart DNA Polymerase <i>The only high-fidelity polymerase that can read through dUTP in the template and extending strand</i>	10	 1 error/770,000 bp	 1 min/kb		 0-10 kb	
PicoMaxx High-Fidelity PCR System <i>Most sensitive polymerase offered</i>	11	 2x Taq	 1 min/kb		 0-10 kb	
Easy-A High-Fidelity PCR Cloning Enzyme <i>Proofreading DNA polymerase that adds 3'A overhangs to PCR amplicons</i>	11	 1 error/770,000 bp	 1 min/kb		 0-6 kb	
Paq5000 DNA Polymerase <i>Fast and economical alternative to Taq</i>	12	 	 30 sec/kb		 0-6 kb	
Taq2000 DNA Polymerase <i>Ultrapure cloned Taq that eliminates unwanted background artifacts</i>	13	 	 1 min/kb		 "1 kb 4 kb (optimized)"	
Taq DNA Polymerase <i>First thermophilic PCR enzyme.</i>	—	 	 1 min/kb		 "1 kb 4 kb (optimized)"	

Polymerase Selection Guide

Blunt or 3'-A Ends	 ArchaeMaxx Advantage	Enzyme Only		 HotStart	 Master Mix	PCR Enzyme
		100 U 1000 U	500 U 5000 U	100 U 1000 U	500 U 5000 U	100 rxn 400 rxn
Blunt				(40 rxn) 600670 (400 rxn) 600674	(200 rxn) 600672 —	600850 600852
Blunt		40 rxn) 600675 (400 rxn) 600679	(200 rxn) 600677 —			
Blunt		600385 600389	600387 —	600390 600394	600392 —	600630 600632
Blunt		600255 600259	600257 —	600320 600324	600322 —	
Mixed		600260 600264	600262 600266	600310 600314	600312 —	
Blunt		600353 600357	600355 —			
Blunt		600135 600140	600136 —			
Blunt	Alternative uracil resistance (Pfu mutation)			600410 600414	600412 —	
Mixed				600420 600424	600422 —	600650 —
3'-A				600400 600404	600402 —	600640 600642
Mixed		— 600682	600680 600684	— 600862	600860 600864	600870 600872
3'-A		600195 600197	600196 600198	600280 600284	600282 —	
3'-A						

High-Fidelity & Difficult/GC Rich PCR

Specialty Enzymes

Routine Enzymes

SureCycler 8800

Surely better PCR functionality for your lab



Learn More at:
[www.agilent.com/
genomics/8800](http://www.agilent.com/genomics/8800)

Ordering Info

Base Unit
Cat No: G8800A

96-Well Module
Cat No: G8810A

384-Well Module
Cat No: G8820A



Gradient & Uniformity

- 12 temperature zone gradient functionality without sacrificing uniformity
- Excellent gradient functionality opens the door to accelerated protocol development and unique applications

Speed & Volume

- Highest speed & volumes: 6° C/sec & 10-100 µL
- Competitor instruments often force a choice between high speed OR high volume, but the SureCycler gives you BOTH!

96 & 384 Well Flexibility

- The flexibility you have been looking for with modular 96 and 384 well blocks on the same system
- Quickly convert interchangeable modules based on needs

Modern & Intuitive Interface

- 7" LCD touch screen with intuitive easy-to-use software
- PCR wizard allows for easy protocol creation in 5 steps

Stand Alone Features

- Remotely start, stop, program and monitor experiments from any web enabled device
- Pre-loaded protocols for Agilent's most popular enzymes

*One easy decision to a complete
portfolio of **PCR** solutions*

Easy
Interchangeable
Module

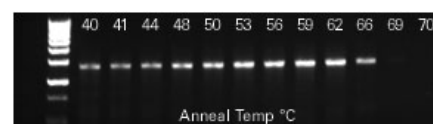


SureCycler 8800

Continued

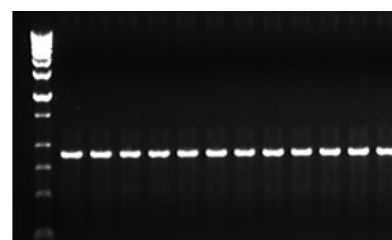
SureCycler 8800

	Specifications	
Configuration	96-well block	384-well block
Maximum Block Ramp Rate	6° C/sec	4° C/sec
Block Temperature Range	4-99° C	
Temperature Accuracy	±0.2° C (@95° C)	
Temperature Uniformity	±0.4° C (@95° C)	
Gradient	Yes	
Gradient Temperature Range	30-90° C	
Maximum Gradient	30° C	
Volume Capacity	10-100 µL	5-25 µL
Memory Capacity	10,000 protocols	
Pre-loaded Protocols	Yes	
PCR Wizard	Yes	
Display Size	7 in	
Display Resolution	800 x 480	
Display Type	Full Touch LCD	
Ports	2 x USB 2.0	
Dimensions (cm)	41 L x 28 W x 27 (38 open) H	
Weight	12.4 kg	
Standard Warranty	2 years	



Gradient

Gradient enables single run optimization of your protocol



Uniformity

Market leading uniformity gives superior results every time you run your protocol



Remote Access

*May not work with some devices

helpful **tip**

Maximum efficiency

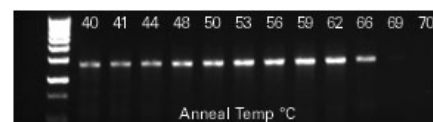
Combine Agilent's market leading enzyme speed and SureCycler performance for maximum efficiency.

SureCycler 8800

Continued

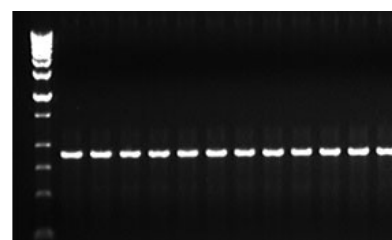
SureCycler 8800

	Specifications	
Configuration	96-well block	384-well block
Maximum Block Ramp Rate	6° C/sec	4° C/sec
Block Temperature Range	4-99° C	
Temperature Accuracy	±0.2° C (@95° C)	
Temperature Uniformity	±0.4° C (@95° C)	
Gradient	Yes	
Gradient Temperature Range	30-90° C	
Maximum Gradient	30° C	
Volume Capacity	10-100 µL	5-25 µL
Memory Capacity	10,000 protocols	
Pre-loaded Protocols	Yes	
PCR Wizard	Yes	
Display Size	7 in	
Display Resolution	800 x 480	
Display Type	Full Touch LCD	
Ports	2 x USB 2.0	
Dimensions (cm)	41 L x 28 W x 27 (38 open) H	
Weight	12.4 kg	
Standard Warranty	2 years	



Gradient

Gradient enables single run optimization of your protocol



Uniformity

Market leading uniformity gives superior results every time you run your protocol



Remote Access

*May not work with some devices

helpful **tip**

Maximum efficiency

Combine Agilent's market leading enzyme speed and SureCycler performance for maximum efficiency.

PfuUltra II Fusion HotStart DNA Polymerase

Extreme accuracy – 1 error/2.5 million bp



Ordering Info

Size: 40 rxn
Cat No: 600670

Size: 200 rxn
Cat No: 600672

Size: 400 rxn
Cat No: 600674

Master Mix
available
see page 3



Learn More at:
[www.agilent.com/
genomics/pfultra2](http://www.agilent.com/genomics/pfultra2)

When accuracy is critical for your downstream applications, such as cloning, protein crystallization studies, and sequencing, *PfuUltra* II is the industry standard for high-fidelity PCR. *PfuUltra* II features a genetically engineered mutant of *Pfu* DNA polymerase, the ArchaeMaxx Polymerase-Enhancing Factor, fusion technology, and hot start formulation.

- **Highest fidelity**
for the most reliable, error-free PCR
- **70-80% quicker**
time to results
- **Accurately Amplifies**
targets up to 19 kb gDNA
- **Average error rate 3x lower**
than *PfuTurbo* & 20x lower than *Taq*
- **Less than 0.5% errors**
in full length 500 bp PCR products



PfuUltra II Fusion HotStart DNA Polymerase

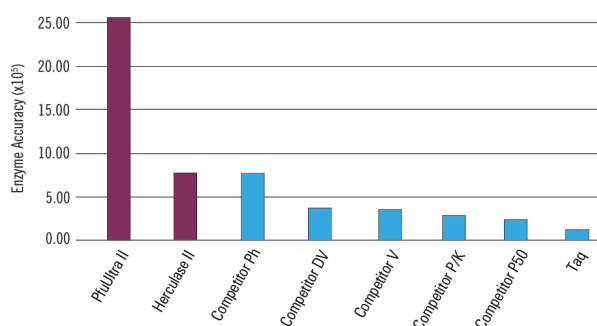
Continued

High Specificity Hot Start Formulation

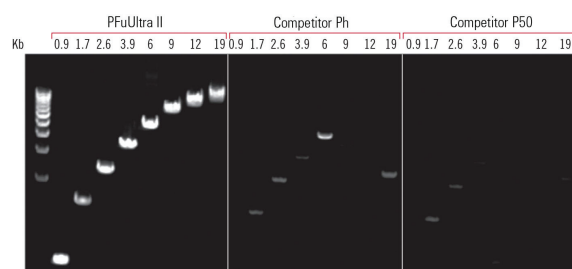
PfuUltra II is formulated with hot start antibodies that neutralize both polymerase and exonuclease activities during reaction setup, thereby enhancing specificity and enabling automated workflows.

Convenient Master Mix Format

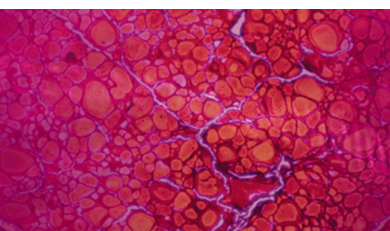
High-throughput PCR reaction set up with *PfuUltra* II HotStart PCR Master Mix tolerates room temperature assembly up to 24 hours prior to thermal cycling without any impact on performance.



Fidelity measured using Agilent's validated and reference fidelity assay. (Accuracy = 1/error rate)



PfuUltra II amplifies genomic targets up to 19 kb in length under faster cycling conditions – 15 sec/kb (most fusion enzymes are limited to 6 kb target amplification).



Herculase II Fusion DNA Polymerase

Superior yield with extension rates of 15 sec/kb



Ordering Info

Size: 40 rxn
Cat No: 600675

Size: 200 rxn
Cat No: 600677

Size: 400 rxn
Cat No: 600679



Learn More at:
[www.agilent.com/
genomics/herculase2](http://www.agilent.com/genomics/herculase2)

Herculase II, with its special formulation and exclusive ArchaeMaxx Polymerase-Enhancing Factor, addresses your need for robust yields with all sample types. For mid-length (1.7 kb) or long (6 kb) DNA fragments, Herculase II produces as much as 10x greater yield with an extension rate as fast as 15 sec/kb.

- **Superior yield**
for routine PCR applications & difficult/GC-rich targets
- **Fast cycling time**
with 15 sec/kb extension rate
- **Accurately amplifies**
targets up to 23 kb gDNA
- **Preserves *Pfu* fidelity**
1 error/770,000 bp
- **High sensitivity**
for amplification of low amounts of DNA



Herculase II Fusion DNA Polymerase

Continued

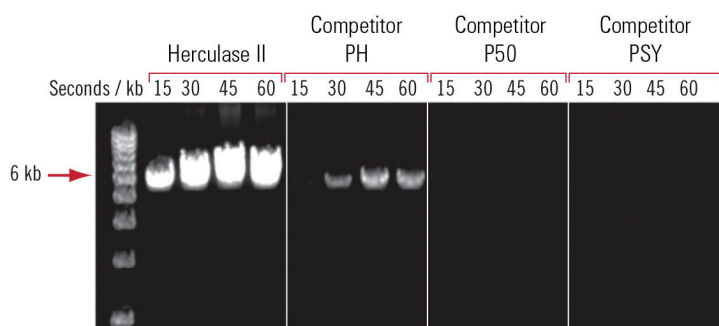
Robust Performance on Difficult and GC-Rich Targets

Amplification of templates with high GC-content often leads to the formation of secondary structures, such as hairpins, causing the DNA polymerases to stall and results in incomplete and non-specific amplification.

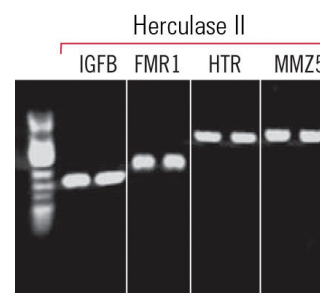
Herculase II helps you overcome challenging PCR with the combination of exclusive enzyme improvement additives and an optimized buffer system, allowing you to easily amplify targets with GC-content as high as 84%.

High Sensitivity with Low Target Abundance

Herculase II amplifies DNA fragments over a wide range of template lengths with great sensitivity, enabling you to detect limited amounts of DNA. Herculase II successfully amplifies 3.9 kb fragments of the Ha1AT gene from as little as 1 ng template DNA.



Herculase II produced superior yields of a 6 kb fragment in amplifications employing human genomic DNA at extension rates of 15, 30, 45, and 60 sec/kb.



Herculase II easily amplified GC-rich fragments from human genomic DNA: IGFB (79% GC); FMR1 (84% GC); HTR (65% GC); MMZ5 (68% GC).

helpful **tip**

Have you tried
"Perfect Match"?

*Enhance your enzymes
to further increase
specificity and yield
See page 13*

PfuTurbo Cx HotStart DNA Polymerase

Overcome uracil stalling



Ordering Info

Size: 100 U
Cat No: 600410

Size: 500 U
Cat No: 600412

Size: 1000 U
Cat No: 600414

Learn More at:
www.agilent.com/genomics/pfuturbocx

PfuTurbo Cx is formulated with a novel mutant of *Pfu* DNA polymerase that completely overcomes uracil stalling without sacrificing fidelity. *PfuTurbo Cx* reads through dUTP located in both the template strand and extending strand.

- **World's only high-fidelity polymerase** that efficiently reads through dUTP
- **Great for bi-sulfite sequencing,** UNG decontamination protocols & DNA methylation studies
- **Amplifies templates 5-10 kb** or with high GC-content
- **DMSO provided separately** to assist in optimizing PCR conditions

PfuTurbo Cx Maintains Fidelity

Thermostable DNA Polymerase	Error Rate	% of mutated 1 kb PCR products
<i>PfuTurbo Cx</i> HotStart DNA Polymerase	1.3×10^{-6}	2.6
<i>PfuTurbo</i> DNA Polymerase	1.3×10^{-6}	2.6
<i>Taq</i> DNA Polymerase	8.0×10^{-6}	16



Easy-A High-Fidelity PCR Cloning Enzyme

One-step high-fidelity TA/UA PCR cloning

Easy-A is the only proofreading DNA polymerase that delivers you PCR products ready for high-throughput TA/UA cloning with greater than 95% cloning efficiency.



- Preferentially adds a single 3'-A overhang
- Combines accuracy of *Pfu* with TA/UA cloning efficiency of *Taq*
- Accuracy level 6x greater than *Taq*

Clones with Errors

PCR Product Length	Easy-A PCR Cloning Enzyme	Taq DNA Polymerase
300 bp	0.65%	4.0%
500 bp	1.3%	8.0%
900 bp	2.6%	14.4%
1500 bp	4.0%	24.0%
4000 bp	10.0%	64.0%

Ordering Info

Size: 100 U
Cat No: 600400

Size: 500 U
Cat No: 600402

Size: 1000 U
Cat No: 600404

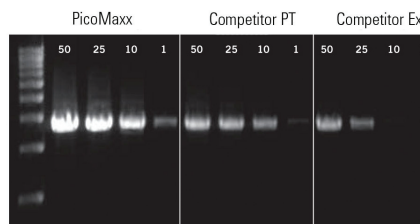
PicoMaxx High-Fidelity PCR System

Low copy number target amplification in complex samples

PicoMaxx possesses the sensitivity to detect low copy number targets and the robustness to withstand the effects of PCR inhibitors without the need for extensive purification and subsequent DNA loss.



- Robust amplification of targets up to 10 kb gDNA
- High-specificity hot start increases enzyme sensitivity



Amplification of a 3.9 kb α -1 anti-trypsin at various starting gDNA template qty (ng).

Ordering Info

Size: 100 U
Cat No: 600420

Size: 500 U
Cat No: 600422

Size: 1000 U
Cat No: 600424

Paq5000 DNA Polymerase

Economical hot start DNA polymerase



Ordering Info

Size: 500 U
Cat No: 600680

Size: 1000 U
Cat No: 600682

Size: 5000 U
Cat No: 600684

HotStart and
Master Mix
available
see page 3

Learn More at:
[www.agilent.com/
genomics/paq5000](http://www.agilent.com/genomics/paq5000)

Paq5000 is capable of quickly and robustly amplifying DNA targets up to 6 kb gDNA. With a shortened extension rate of 30 sec/kb, compared to 1 min/kb for *Taq* DNA polymerase, Paq5000 minimizes the overall cycle time.

- Easily replaces *Taq* in standard PCR protocols with minimal optimization
- Comes with preoptimized reaction buffers
- Low cost hot start formulation



Amplification of 0.9, 1.7 & 2.6 kb fragments of human α -1 antitrypsin gene, and a 6 kb fragment of human β -globin gene.

Other PCR Enzymes

PfuUltra High-Fidelity DNA Polymerase



- Low error rate (1 error/2.25 million bp) without the speed and robustness of *PfuUltra* II

Herculase Enhanced DNA Polymerase



- Amplifies challenging PCR targets without the speed and robustness of Herculase II

PfuTurbo DNA Polymerase



- Low error rate (1 error/770,000 bp)

Pfu DNA Polymerase, Native & Cloned



- Proofreading with 3'→5' exonuclease activity
- Cloned version eliminates smearing and unwanted background artifacts

*Taq*2000 & SureStart *Taq* DNA Polymerase



- Eliminates amplification of background artifacts and minimizes smearing in long PCR
- SureStart (hot start version of *Taq*2000) increases specificity and sensitivity

PCR Enhancers

Perfect Match PCR Enhancer

- Reduces PCR artifacts by increasing specificity
- Destabilizes mismatched primer-template complexes

Taq Extender PCR Additive

- Improves length, yield and reliability of PCR with *Taq* DNA polymerase
- Enhances the efficiency of template extension by *Taq* DNA polymerase

AccuScript High-Fidelity RT

Highest reverse transcription accuracy

Ordering Info

Size: 50 rxn
Cat No: 600089

Size: 200 rxn
Cat No: 600090

AccuScript reduces errors during cDNA synthesis with 3.7x more accuracy than other commercially available RTs and 6.6x more accuracy than AMV RT.

- **MMLV-RT derivative**
combined with proofreading 3'-5' exonuclease reduces errors
- **High yields**
of full length cDNA up to 20 kb

AccuScript *PfuUltra* II RT-PCR Kit

Complete system for high-fidelity RT-PCR

Ordering Info

Size: 50 rxn
Cat No: 600184

The AccuScript *PfuUltra* II RT-PCR Kit provides a complete system for RT-PCR in applications that demand high-fidelity, specificity, and throughput.

- **Amplifies cDNA targets**
of 0.1-9.6 kb in length
- **Synthesizes cDNA from**
10–1000 ng of total RNA or 0.1–10 ng of poly(A)+ RNA
- **Up to 3x faster**
RT-PCR reaction times



AffinityScript Multiple Temperature RT

Broad activity in temperatures ranging from 37-55 °C

AffinityScript assures reverse transcription through GC-rich sequences with high cDNA yields, whether priming at room temperature with random hexamers or at stringent temperatures to enhance specificity.

- **High affinity to primer/template complexes**
- **Detects low input RNA**

Ordering Info

Size: 10 rxn
Cat No: 600105

Size: 50 rxn
Cat No: 600107

Size: 200 rxn
Cat No: 600109

AffinityScript One-Step RT-PCR Kit

High yield single-tube RT-PCR

The AffinityScript One-Step RT-PCR Kit tolerates higher concentrations of inhibitors such as guanidine isothiocyanate, ethanol, formamide, and pectin for improved results.

- **Reduces cycling times & contamination risk**
with a one-tube, master mix format
- **Robust performance**
for difficult and GC-rich targets, with high yields

Ordering Info

Size: 100 rxn
Cat No: 600188

helpful **tip**

AffinityScript One-Step is ideal for gene profiling and other high-throughput, end-point RT-PCR applications.

StrataClone PCR Cloning Kit

Fast and reliable cloning

Ordering Info

PCR Cloning
Cat No: 240205

Blunt PCR Cloning
Cat No: 240207

Ultra Blunt PCR Cloning
Cat No: 240218

The StrataClone PCR Cloning Kit allows high-efficiency, 5-minute cloning of PCR products, using the DNA rejoining activity of DNA topoisomerase I and the DNA recombination activity of Cre recombinase.

- No PCR clean-up required
- Clone both long and short amplicons
- Available for both blunt-end and UA cloning
- High efficiency yields
>95% insert positive clones with StrataClone Ultra

StrataPrep Plasmid Miniprep Kit

Rapid plasmid purification

Ordering Info

Size: 50 rxn
Cat No: 400761

Size: 250 rxn
Cat No: 400763

The StrataPrep Plasmid Miniprep Kit provides a rapid, phenol-free method for purifying pure plasmid DNA from bacterial cultures.

- High yields of plasmid DNA
up to 20 µg from 1.5-3.0 mL of culture
- Accommodates all sizes of DNA
from 2.9 kb plasmids to 45 kb cosmids
- Transforms as efficiently
as cesium chloride-purified DNA



StrataPrep PCR Purification Kit

Produces ready-to-use highly purified DNA

The StrataPrep PCR Purification Kit provides a rapid silica-based method for separation of PCR products from PCR primers, unincorporated nucleotides, buffer components and enzymes.

- Purifies PCR products
≥100 bp
- No hazardous organic extraction
or ethanol precipitation involved
- Compatible with downstream applications
such as high-throughput sequencing and microarrays

Ordering Info

Size: 50 rxn
Cat No: 400771

Size: 250 rxn
Cat No: 400773

Size: 2 x 96-well
Cat No: 400775

StrataPrep DNA Gel Extraction Kit

Purifies DNA fragments ranging from 100 bp to 23 kb

The StrataPrep DNA Gel Extraction Kit allows rapid, high-yield isolation of pure DNA from agarose gels (up to 10 µg).

- Recovers 70-85% of DNA fragments
ranging from 250 bp to 9 kb
- Compatible with
low-melt agarose gels

Ordering Info

Size: 50 rxn
Cat No: 400766

Size: 200 rxn
Cat No: 400768

helpful **tip**

Save time



using Agilent's most popular
enzyme protocols pre-loaded on
the SureCycler 8800

StrataCoolers & Plastics

StrataCooler LP Benchtop Cooler

Provides the most protection for your enzymes whether in your freezer or on your benchtop.

- Maintains -15° C for at least 2 hours.
- Includes adapters for use with 0.5 mL tubes
- Eliminates ice chips & potential contamination



StrataCooler Cryo Preservation Module

Enables controlled freezing (0.4-0.6° C/min) of cells to significantly increase survival rates (up to 90%)

- Convenient and controlled freezing
- Overall survival rates of 80-90%
- Avoids expense of methanol-based cooling baths



Plastics & Labware

Product	Catalog No.
StrataCooler Cryo Preservation Module	400005
StrataCooler LP Benchtop Cooler, Blue	401349
Tube Strips, 200 µL, strips of 12	410082
Tube Cap Strips, strips of 12	410086
Tube-Strip Capping Tool	410099

Product	Catalog No.
96-well plate, 25 pack	401333
384-well plate, 50-pack	410188
Adhesive sealing films, 100-pack	410186
Compression mats, 10-pack	410187

Agilent Combination Packs

Start-to-finish PCR solution

The combination packs, designed to provide a start-to-finish solution with your thermal cycler, simplify your ordering process while delivering the highest performing technologies. Each combination pack includes required reagents, PCR plasticware and a StrataCooler.



For more detailed information
and kit components visit:
[www.agilent.com/
genomics/combopack](http://www.agilent.com/genomics/combopack)

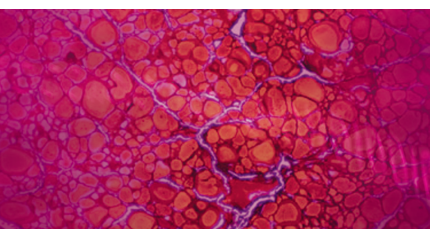
Product	Catalog No.
Cloning PCR Combo Pack	929900
Site-Directed Mutagenesis Combo Pack	929901
General RT-PCR Combo Pack	929902
Genotyping PCR Combo Pack	929903
General PCR Combo Pack	929904

Agilent Custom Manufacturing Services

Whether you need bulk packaging, custom formulations, higher-level documentation, or want to establish an OEM relationship, Agilent's dedicated team of experts will help you find the fastest, most cost-effective way to reach your goals.



Learn More at:
[www.agilent.com/genomics/
custom_manufacturing](http://www.agilent.com/genomics/custom_manufacturing)



Index

Surely Better
PCR Solutions

High-Fidelity &
Difficult PCR

Routine
Enzymes

Product	Product Size	Catalog Number	Page Number
SureCycler 8800		G8800A	4
96-well module		G8810A	
384-well module		G8820A	
<i>PfuUltra</i> II Fusion HotStart DNA Polymerase	40 rxn	600670	6
	200 rxn	600672	
	400 rxn	600674	
<i>PfuUltra</i> II HotStart Master Mix	100 rxn	600850	6
	400 rxn	600852	
Herculase II Fusion DNA Polymerase	40 rxn	600675	8
	200 rxn	600677	
	400 rxn	600679	
<i>PfuUltra</i> High-Fidelity DNA Polymerase	100 U	600380	13
	500 U	600382	
	1000 U	600384	
<i>PfuUltra</i> HotStart DNA Polymerase	100 U	600390	13
	500 U	600392	
	1000 U	600394	
<i>PfuUltra</i> HotStart PCR Master Mix	100 rxn	600630	13
	400 rxn	600632	
<i>PfuUltra</i> High-Fidelity DNA Polymerase AD	100 U	600385	13
	500 U	600387	
	1000 U	600389	
<i>PfuUltra</i> HotStart DNA Polymerase AD	1000 U	600396	13
Herculase Enhanced DNA Polymerase	100 U	600260	13
	500 U	600262	
	1000 U	600264	
	5000 U	600266	
Herculase HotStart DNA Polymerase	100 U	600310	13
	500 U	600312	
	1000 U	600314	
<i>PfuTurbo</i> DNA Polymerase	100 U	600250	13
	500 U	600252	
	1000 U	600254	
	5000 U	600256	
<i>PfuTurbo</i> HotStart DNA Polymerase	100 U	600320	13
	500 U	600322	
	1000 U	600324	
<i>PfuTurbo</i> HotStart PCR Master Mix	100 rxn	600600	13
	400 rxn	600602	
<i>PfuTurbo</i> DNA Polymerase AD	100 U	600255	13
	500 U	600257	
	1000 U	600259	
Cloned <i>Pfu</i> DNA Polymerase	100 U	600153	13
	500 U	600154	
	1000 U	600159	
	5000 U	600160	
Cloned <i>Pfu</i> DNA Polymerase AD	100 U	600353	13
	500 U	600355	
	1000 U	600357	
Native <i>Pfu</i> DNA Polymerase	100 U	600135	13
	500 U	600136	
	1000 U	600140	
Paq5000 DNA Polymerase	500 U	600680	12
	1000 U	600682	
	5000 U	600684	
Paq5000 HotStart DNA Polymerase	500 U	600860	12
	1000 U	600862	
	5000 U	600864	
Paq5000 HotStart PCR Master Mix	100 rxn	600870	12
	400 rxn	600872	
SureStart <i>Taq</i> DNA Polymerase	100 U	600280	13
	500 U	600282	
	1000 U	600284	
<i>Taq</i>2000 DNA Polymerase	100 U	600195	13
	500 U	600196	
	1000 U	600197	
	5000 U	600198	

	Product	Product Size	Catalog Number	Page Number
Specialty Enzymes	PfuTurbo Cx Hotstart DNA Polymerase	100 U	600410	10
		500 U	600412	
		1000 U	600414	
	Easy-A High-Fidelity PCR Cloning Enzyme	100 U	600400	11
		500 U	600402	
		1000 U	600404	
	Easy-A High-Fidelity PCR Master Mix	100 rxn	600640	11
		400 rxn	600642	
	PicoMaxx High-Fidelity PCR System	100 U	600420	11
		500 U	600422	
		1000 U	600424	
	PicoMaxx High-Fidelity PCR System Master Mix	100 rxn	600650	11
RT-PCR	AccuScript PfuUltra II RT-PCR Kit	50 rxn	600184	14
	AccuScript High-Fidelity RT-PCR Kit	50 rxn	600180	—
	AccuScript High-Fidelity Reverse Transcriptase	50 rxn	600089	14
		200 rxn	600090	
	AccuScript High-Fidelity 1st Strand cDNA Synthesis Kit	50 rxn	200820	—
	AffinityScript One-Step RT-PCR Kit	100 rxn	600188	15
	AffinityScript Multiple Temperature cDNA Synthesis Kit	50 rxn	200436	—
	AffinityScript Multiple Temperature Reverse Transcriptase	10 rxn	600105	15
		50 rxn	600107	
		200 rxn	600109	
	AffinityScript qPCR cDNA Synthesis Kit	50 rxn	600559	—
	Easy-A One Tube RT-PCR System	50 rxn	600182	—
Purification	StrataPrep PCR Purification Kit	50 rxn	400771	17
		250 rxn	400773	
	StrataPrep 96 PCR Purification	50 rxn	400775	17
	StrataPrep DNA Gel Extraction Kit	250 rxn	400766	17
		50 rxn	400768	
	StrataPrep Plasmid Miniprep Kit	250 rxn	400761	16
		1 kit	400763	
Plastics & Labware	DNA Extraction Kit	1 kit	200600	—
	StrataCooler Cryo Preservation Module	1 module	400005	18
	StrataCooler LP Benchtop Cooler, Blue	1 cooler	401349	18
	Tube Strips, 200 µL, Strips of 12	80 strips	410082	18
	Tube Cap Strips, Strips of 12	80 strips	410086	18
	Tube-Strip Capping Tool	2 capping tools	410099	18
	96-Well Plates	25 pack	401333	18
	384-Well Plates	50 pack	410188	18
	Adhesive Sealing Films	100 pieces	410186	18
	Compression Mats	10 pack	410187	18
Additional Products	TaqPlus Precision PCR System	100 U	600210	—
		500 U	600211	—
		1000 U	600212	—
	Perfect Match PCR Enhancer	100 U	600129	—
	Taq Extender PCR Additive	1000 U	600148	—
	Deoxynucleotide Mix, PCR Grade	400 µL	200415	—
	PhiX174/Hae III Marker	20 µg	201100	—
		100 µg	201101	—
	Lambda/Hind III Marker	1000 µg	201104	—
		500 µg	201109	—
	Lambda/Hind III - Phi-X174/Hae III Marker	100 µg	201107	—
	Rnase Block	4000 U	300151	—
Combo Packs		16000 U	300152	—
	Absolutely RNA Miniprep Kit	50 preps	400800	—
	Absolutely mRNA Purification Kit	10 preps	400806	—
	Absolutely RNA FFPE Kit	50 preps	400809	—
	Absolutely RNA Nanoprep Kit	50 preps	400753	—
	Absolutely RNA Microprep Kit	50 preps	400805	—
	QuikChange Lightning Kit	10 rxn	210518	—
	X-Gal	250 mg	300200	—
	IPTG	1 g	300127	—
	Amp Tabs Ampicillin Tablets	200 x 25 mg	300021	—
	Cloning PCR Combo Pack	1 Pack	929900	19
	Site-Directed Mutagenesis Combo Pack	1 Pack	929901	19
	General RT-PCR Combo Pack	1 Pack	929902	19
	Genotyping PCR Combo Pack	1 Pack	929903	19
	General PCR Combo Pack	1 Pack	929904	19

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