



**Agilent SureCycler 8800**  
**SURELY**  
**BETTER**  
**PCR SOLUTIONS**  
**CHOOSING THE RIGHT THERMAL CYCLER**  
**HAS NEVER BEEN EASIER**

The Measure of Confidence



**Agilent Technologies**

# SURELY BETTER PCR FUNCTIONALITY FOR YOUR LAB

## Remote access

- Use a web-enabled device to monitor your experiment from across the room or across town
- Networking features included, no extra software or hardware purchase required.



\*May not work with some devices

## PCR Wizard

- Improve your research and reduce start-up time with our intuitive protocol wizard
- Quickly create new protocols tailored to your research in 5 steps



## Pre-loaded protocols

- Save time using Agilent's most popular enzyme protocols pre-loaded on the SureCycler 8800
- Easily add new protocols or choose from a list of Agilent developed protocols

## Superior customer support

Now you can call one trusted partner to get help in designing your assays, optimizing your protocols, and troubleshooting your programs. Agilent's experienced technical support team is available to help with your complete portfolio questions.



## Easy to learn more

See for yourself why the SureCycler 8800 is a **Surely Better** solution for lab managers and researchers.

Visit [www.agilent.com/genomics/8800](http://www.agilent.com/genomics/8800) to view a short video of the "all-in-one" features and functionality.

# SURELY BETTER PCR

The Agilent SureCycler 8800 is one easy decision to a complete portfolio of PCR solutions

## The easy choice for both speed *and* volume

- Highest speed and flexible reaction volumes
- Agilent's enzymes with Fusion technology perform with the speed of the instrument to produce faster and better results



Market-leading cycling speed and volumes from 10 to 100 $\mu$ l

## The easy choice for flexibility with 96 *and* 384 well blocks

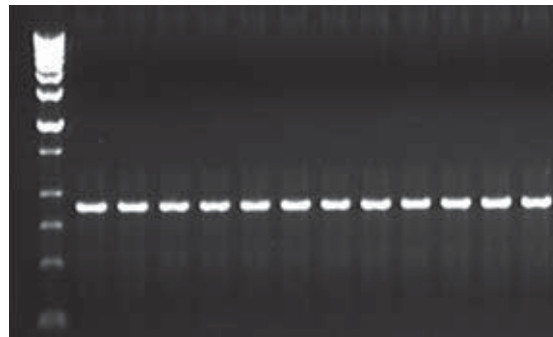
- Quickly convert interchangeable blocks based on your lab's needs



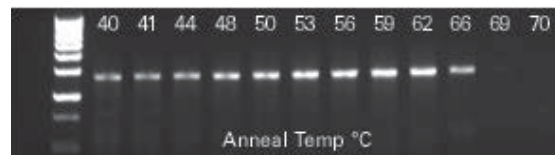
Easy interchangeable module

## The easy choice for superior uniformity *and* gradient

- Gradient functionality without sacrificing uniformity
- Excellent gradient functionality for accelerated protocol development and unique applications



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



Gradient enables single run optimization of your protocol

## The easy choice for simple interface *and* established functionality

- 7" high resolution touch screen with intuitive easy-to-use software
- Intuitive Wizards create protocols designed for your lab's conditions

# IT'S EASY TO BE CONFIDENT ABOUT THE

## SURELY BETTER Enzymes

The right enzyme for every application

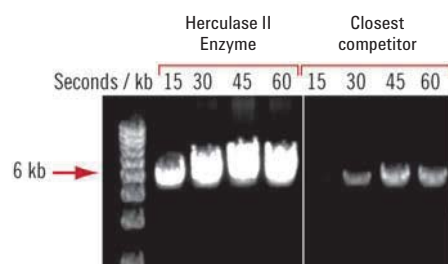
### High Fidelity Fusion PCR Enzymes

**Herculase II Fusion** DNA Polymerase

- Provides the highest yields across the broadest range of targets

**PfuUltra II Hotstart** DNA Polymerase and Master Mix

- The world's most accurate polymerase



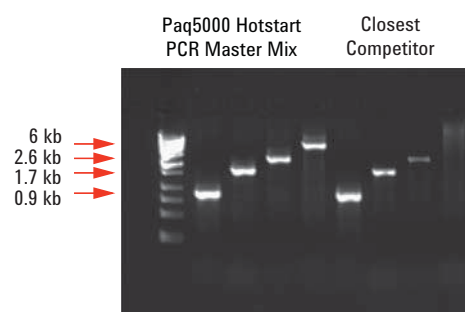
*Herculase II Fusion DNA Polymerase produced superior yields of 6 kb human genomic DNA fragment at extension rates of 15-60 sec/kb. The experiment was conducted using each enzyme's recommended buffer and unit concentration.*

### Routine PCR Enzymes

**Paq5000** DNA Polymerase and Master Mix

- Fusion technology allows for longer targets and faster results for routine PCR

**Taq2000** and **SureStart Taq** DNA Polymerases



*Amplification of 0.9, 1.7, and 2.6 kb fragments of Human  $\alpha$ -1 Antitrypsin gene, and 6 kb fragment of human  $\beta$ -gene amplified using Paq5000 Hotstart PCR Master Mix and the closest hot start Taq master mix competitor.*

### RT Enzymes

**AccuScript** Reverse Transcriptase

- The world's most accurate reverse transcriptase

**AffinityScript** Reverse Transcriptase

- Sensitivity combined with superior yields across a broad temperature range

### Specialty PCR Enzymes

**Easy-A High-Fidelity** Polymerase and Master Mix

- High-fidelity AND A- overhangs for TA/UA cloning

**PicoMaxx** DNA Polymerase and Master Mix

- The most sensitive polymerase available for rare DNA

**PfuTurbo Cx Hotstart** DNA Polymerase

- The only polymerase to combine high-fidelity *and* the ability to read through dUTP present in the amplification (bisulfite sequencing, DNA damage, etc)

# ENTIRE PORTFOLIO

## SURELY BETTER Reagent Kits

Now it's easy to be sure about getting good results



### RT-PCR Kits

#### Easy-A One Tube RT-PCR System

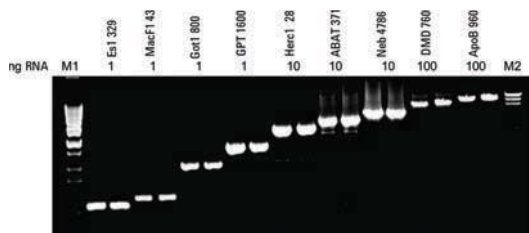
- The only one-step RT-PCR system offering both TA/UA cloning and high-fidelity

#### AccuScript PfuUltra II RT-PCR Kit

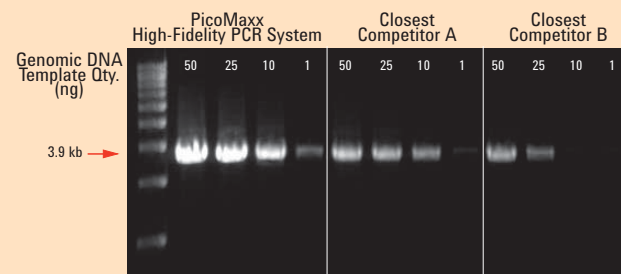
- Highest fidelity RT combined with highest fidelity PCR enzyme on the market

#### AffinityScript One-Step RT-PCR Kit

- Delivers the highest yield and sensitivity of any one step RT-PCR kit



Superior sensitivity with the AffinityScript One-Step RT-PCR Kit. Total RNA at varying concentrations (1, 10 and 100 ng) was amplified for multiple targets. M1: 1 kb DNA Ladder; M2: lambda/HindIII marker



Superior sensitivity with PicoMaxx High-Fidelity PCR System. Amplification of a 3.9 kb a-1 anti-trypsin template compared to Agilent's two closest competitors. All reactions were performed according to the manufacturer's recommendations.

### Site-Directed Mutagenesis Kits

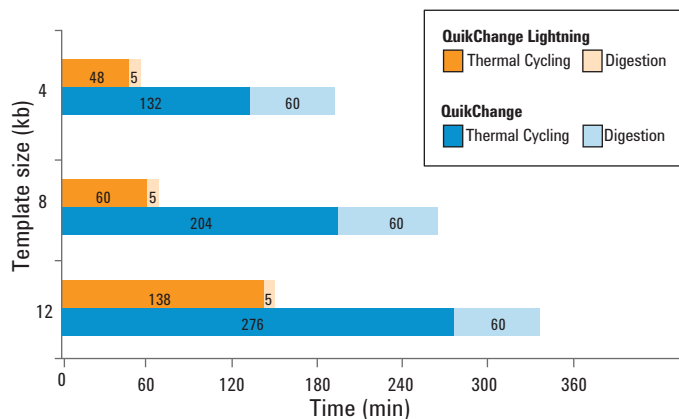
Our signature three-step QuikChange method utilizes linear amplification during mutagenesis to significantly decrease unwanted second-site errors.

#### QuikChange Lightning Site-Directed Mutagenesis Kit

- Perform mutagenesis twice as fast as original QuikChange and QuikChange II
- Use one kit for both short and long templates (4-14 kb)

#### QuikChange Lightning Multi Site-Directed Mutagenesis Kit

- Mutate up to 5 sites simultaneously, 3 times faster than our original kit



QuikChange Lightning saves hours of valuable research time. Three template sizes were mutated with both QuikChange and QuikChange Lightning Mutagenesis Kits. Times were measured for both thermal cycling and digestion.

# The Agilent SureCycler 8800 gives you the best overall specification package



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

Find out more about the full Agilent reagents and consumables portfolio

#### StrataClone

#### PCR Optimization and Purification

- PCR Polishing Kits
- Perfect Match PCR Enhancer
- StrataPrep DNA Gel Extraction Kits
- StrataPrep PCR Purification Kits

#### Plasticware

#### Markers and Ladders

#### Absolutely RNA Purification Products

#### StrataCoolers

[www.agilent.com/genomics/reagents](http://www.agilent.com/genomics/reagents)

#### For more information

Learn more or buy online

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

Find an Agilent customer center in your country

[www.agilent.com/genomics/contactus](http://www.agilent.com/genomics/contactus)

U.S. and Canada

**1-800-227-9770**

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