QIAamplifier® PCR cyclers with AllTaq™ PCR kits and QIAxcel® Advanced – a smooth path to success

Enjoy success at first try with high performance QIAGEN PCR kits and instrumentation

- Discover AllTaq for all your single amplifications, or Multiplex PCR kits for effortless multiplexing
- Amplify with the QIAamplifier PCR cyclers and analyze all your amplicons in minutes with the QIAxcel Advanced capillary electrophoresis instrument

Fast cycling: 30 cycles in less than 45 min

Whisper quiet: low noise emission (45 dB max.)

Linear Gradient Function

Designed for robustness and reproducibility of results

Sample to Insight

The QIAamplifier is a versatile system designed for performance

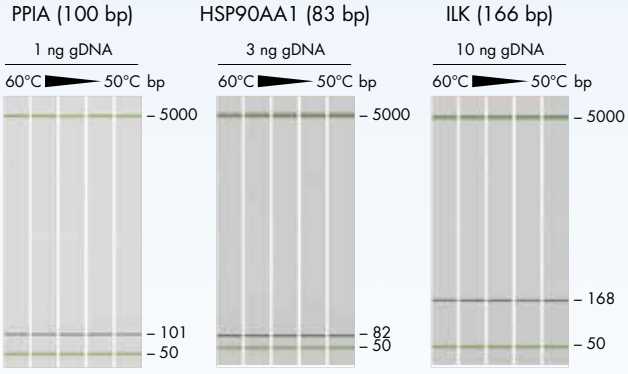
The QIAamplifier 96 is a high-performance thermal cycler with a 96-well block and a gradient function ideal for all your end-point PCR requirements.

- Easy-to-use: intuitive software & a 7-inch color touchscreen interface
- Fast ramping: heating and cooling rates of up to 4°C/sec
- Fast cycling: 30 cycles in less than 45 minutes
- High-performance smart lid: pressure control for highly reproducible results
- Whisper quiet: low noise emission (45 dB max.)
- Linear Gradient Tool: linear gradient from 20°C to 99°C (max. span 20°C and minimal increment of 0.1°C)

One master mix to Taq them all

The AllTaq PCR kit is optimized for ultrafast amplification of any target and works just as well for routine amplification as for challenging, long or high G-C content templates.

One protocol for all targets, streamlining workflows to just 45 minutes while enabling duplex PCR and amplification of GC-rich or long targets up to 9 kb. Guard-protected and hot-start chemistry provides superior specificity, sensitivity and outstanding room temperature stability while visual pipetting control monitor successful procedure.



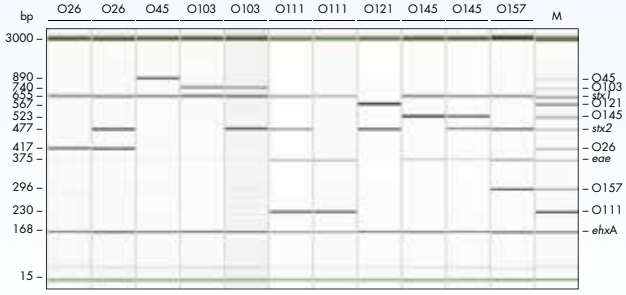
No optimization of annealing temperature required.
PCR reactions were run using the AllTaq Master Mix Kit with different targets; varying template amount and annealing temperature (from 50°C to 60°C). Analysis was performed on the QIAxcel. All reactions resulted in successful and specific amplification of all targets.

The power of multiplexing

Amplify all your targets in a single tube to save time, money and DNA template without the need for protocol optimization.

The QIAGEN Multiplex PCR Kit outperforms kits tested from other suppliers and ensures efficient and specific simultaneous extension of all targets in the reaction for 5-plex, 10-plex, 15-plex, or more.

The QIAGEN Multiplex PCR Master Mix includes HotStarTaq DNA Polymerase and a unique PCR buffer containing the novel synthetic Factor MP. Together with optimized salt concentrations, this additive stabilizes specifically bound primers and enables efficient extension of all primers in the reaction without the need for optimization. Q-Solution, a novel additive that enables efficient amplification of "difficult" (e.g., GC-rich) templates, is also supplied.



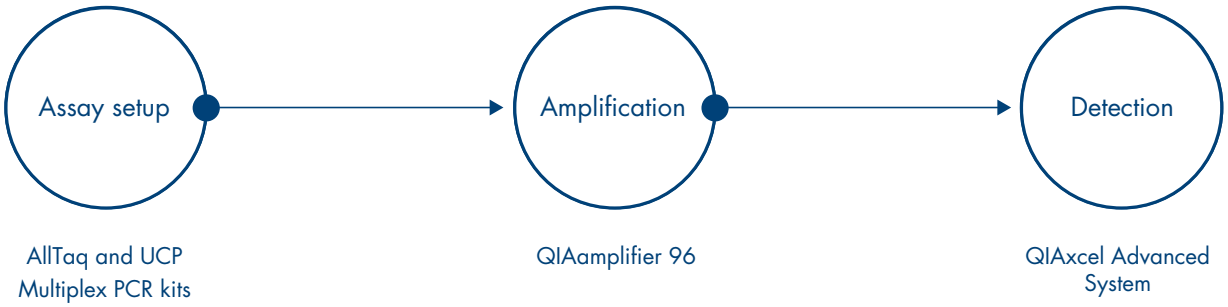
QIAxcel Advanced analysis of 11 isolates tested with 11-gene multiplex PCR. The PCR included the major *E. coli* virulence genes stx1, stx2, eae and ehxA, along with *E. coli* O-antigens from O26, O45, O103, O111, O121, O145 and O157 serogroups. Lane A12 contains a DNA ladder. Amplicon sizes were verified by sequencing.

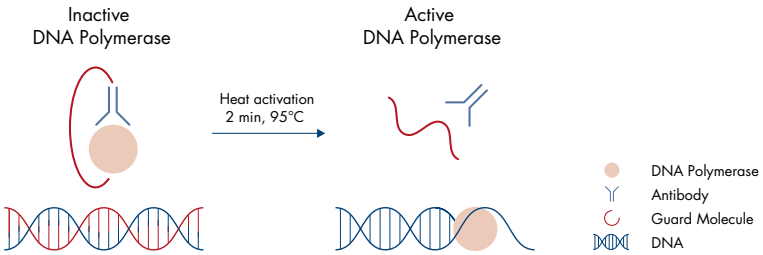
Embrace the future of electrophoresis with QIAxcel Advanced

- Analysis of 12 samples in as little as three minutes
- Unattended analysis of up to 96 samples
- Resolution down to 3–5 bp for fragments <500 bp
- Reliable detection with sensitivity down to 0.1 ng/µl
- Automated sample loading limits error-prone manual steps
- Standarization of analysis with predefined protocols
- Reusable cartridges have optimized cost-efficency
- Advanced sample analysis with state-of-the-art software

From amplification to interpretation without need for optimization

QIAGEN has your back covered with AllTaq and Multiplex PCR kits, the QIAamplifier and QIAxcel. You will love the performance and convenience that this combination brings to your PCR experiments. It's the smooth path to success for your lab.





Guard molecule and the 2-phase hot start mechanism make your target more specific than ever by double-blocking the polymerase and thus preventing nonspecific amplifications.

Get a quote for a bundle at special price

QIAGEN is committed to accelerate your research and provide your lab with high-quality PCR solutions meeting all your needs. Save time, money and peace of mind by choosing optimized AllTaq chemistries and a QIAamplifier cycler for fast, easy and powerful analysis of your PCR experiments.

Ordering **www.qiagen.com/shop** | Technical Support **support.qiagen.com** | Website **www.qiagen.com**

QIAamplifier 96

Technical Specifications

Name	QIAamplifier 96
Catalog number	QIAamplifier 96, 115V: 9002990 QIAamplifier 96, 230V: 9002991
Capacity	96 x 0.2 ml tubes, 96 well micro plates or 8 well strips
Block material	Aluminum
Block coating	Special alloy
Max. heating rate*	4.0 °C/sec
Max. cooling rate*	3.3 °C/sec
Avg. heating rate*	3.7 °C/sec
Avg. cooling rate*	3.0 °C/sec
Max./min gradient	20 °C/0.1 °C
Gradient temperature range†	20 °C to 99 °C
Temperature uniformity	95°C: +/- 0,60 °C after 15 s 72°C: +/- 0,30 °C after 15 s 55°C: +/- 0,20 °C after15 s
Temperature range	3 °C to 99 °C
Control accuracy	+/- 0.1 °C
Software	User-specific quick start option for the five most recent programs; program preview before start; option for toggling between programming table and graph programming mode; Linear Gradient Tool1, service info file (SINF) generation; expanded self-test; adjustable ramp rates; gradient temperature diagram view;
Program memory	Total capacity of 350 programs in up to 90 user directories
Language	English
Display	7" color touchscreen
Automatic restart after power failure	Yes
HPSL technology	Yes
Heated lid	Yes
Lid temperature range	30 °C to 110 °C
Power consumption	550 watt
Operating voltage	115, 230 Volt, 50 - 60 Hz
Noise emissions	Very low, max. 45 dB
Interfaces†	USB A, Ethernet
Environmental conditions	15 °C to 35 °C, 70% air humidity, max. 2,000 m above sea level
Dimensions (WxDxH)	260 mm x 430 mm x 210 mm
Dimensions (WxDxH) with open lid	260 mm x 430 mm x 385 mm
Weight	11.5 kg

HPSL: High Performance Smart Lid. * Measured inside the block.