

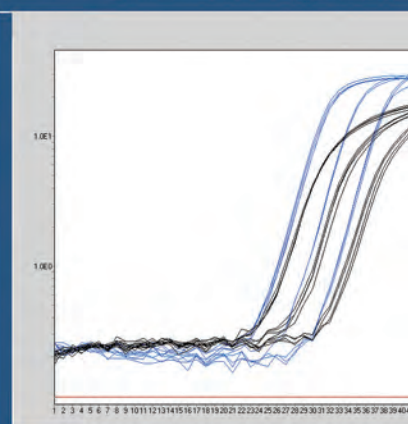
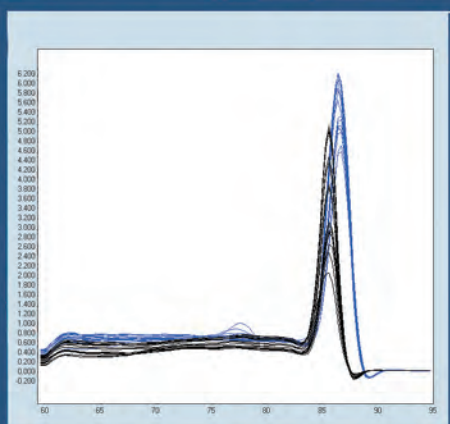
**PERFORMANCE • CONVENIENCE • RELIABILITY**  
Accuris ultra sensitive qPCR reagents... Your DNA deserves the best



*qMAX Green qPCR mix*

*qMAX Probe qPCR mix*

*qMAX cDNA Synthesis Kit*



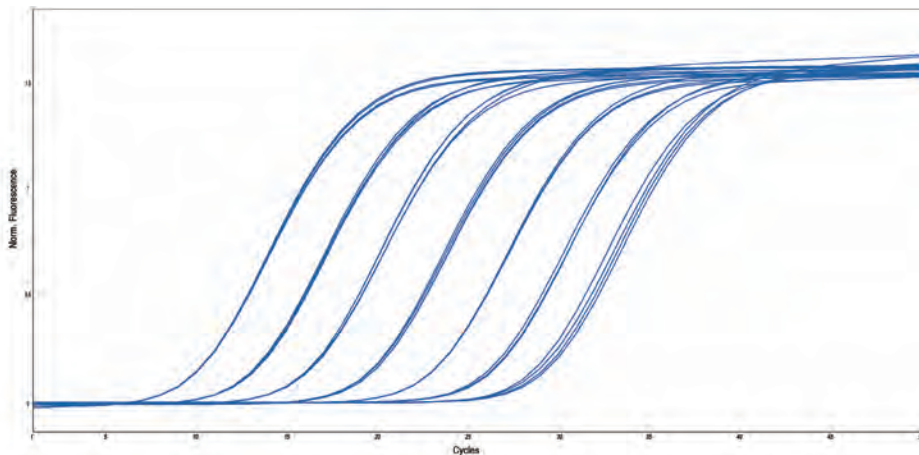
# Accuris qMAX™ Green qPCR Mix



- **Superior sensitivity and fast cycling with exceptional results**
- **Includes Accuris Hot Start Taq Polymerase for greater specificity and accuracy**
- **Ideal for low copy number templates**
- **Early  $C_t$  values and detection across a broad dynamic range**
- **Ready to use 2X Master Mix**

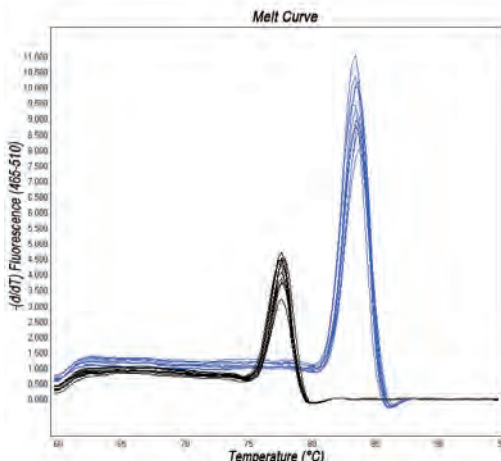
Supplied as a ready-to-use 2X master mix, qMax Green has been engineered for high sensitivity, fast cycling and excellent reproducibility. Accuris Hot Start Polymerase provides accurate PCR of a variety of templates including low copy number and difficult sequences, while the proprietary qMax Green intercalating dye exhibits higher fluorescence and lower PCR inhibition than other popular green dyes. These two components are supported by a specially formulated buffer with an exacting combination of salts, PCR enhancers, stabilizers and pH that results in earlier  $C_t$  values and a high specificity across a broad dynamic range.

qMax Green qPCR Mix is ideal for gene expression analysis, genotyping studies and detection of DNA and cDNA. Both a high ROX™ and low ROX formulation are available for compatibility with all popular qPCR instruments. To check compatibility with a specific instrument, use our reagent selector at [www.accuris-usa.com/PCRselector](http://www.accuris-usa.com/PCRselector).



The trace at the left shows qPCR of a 10 fold dilution series, 5µg to 5pg, of cDNA. cDNA was generated from total mouse RNA with the qMax cDNA Synthesis Kit. The consistency of the curves illustrates the high sensitivity and efficiency of the qPCR reaction.

**Excellent Consistency Across a Broad Dynamic Range**



Above is a melt curve from qPCR of the mouse housekeeping gene PGK-1. The blue curve is from reactions performed with Accuris qMax Green. The black curve shows competitor AB. While both curves show excellent sensitivity, the Accuris qMax Green exhibits superior results.

Item No.	Description	Reactions (20µl volume)
PR2000-L-S	Accuris qMax Green, Low Rox qPCR Mix	20
PR2000-L-100	Accuris qMax Green, Low Rox qPCR Mix	100
PR2000-L-500	Accuris qMax Green, Low Rox qPCR Mix	500
PR2000-L-1000	Accuris qMax Green, Low Rox qPCR Mix	1000
PR2000-H-S	Accuris qMax Green, High Rox qPCR Mix	20
PR2000-H-100	Accuris qMax Green, High Rox qPCR Mix	100
PR2000-H-500	Accuris qMax Green, High Rox qPCR Mix	500
PR2000-H-1000	Accuris qMax Green, High Rox qPCR Mix	1000



# Accuris qMAX™ Probe qPCR Mix

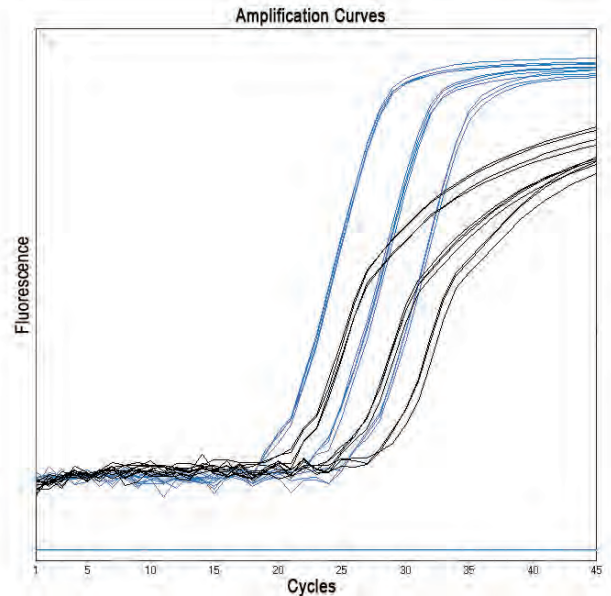


- **Same high efficiency for multiplex and singleplex reactions**
- **Includes Accuris Hot Start Taq Polymerase for greater specificity and accuracy**
- **Compatible with popular hydrolysis and beacon probes**
- **Early C<sub>t</sub> values and detection across a broad dynamic range**
- **Ready to use 2X Master Mix**

Optimized for use with TaqMan™, Scorpions® and molecular beacon probes, qMax Probe qPCR Mix is a ready-to-use formulation for real time quantitative assays. qMax Probe utilizes Accuris Hot Start Taq Polymerase for robust PCR with a variety of templates. A specially formulated buffer provides optimal conditions for both superior polymerase function and probe detection, resulting in earlier C<sub>t</sub> values and a broad detection range. Complicated, multiplex reactions can be performed without any loss in performance or decrease in detection. The 2X mix requires little, if any optimization and can be used with both fast and standard protocols.

qMax Probe qPCR Mix can be used to detect any DNA template, including genomic DNA and cDNA. Available in high, low and no ROX formulations, qMax Probe is compatible with most qPCR instruments. To check compatibility with a specific instrument, visit [www.accuris-usa.com/PCRselector](http://www.accuris-usa.com/PCRselector).

Comparison of Accuris qMax Probe vs. Competitor AB in a TaqMan™ gene expression assay using FAM® fluorescent dye: 2-Step amplification from mouse housekeeping gene GAPDH using a cDNA dilution series and ultra-fast cycling (45 cycles using 5 sec extensions at 60°C). Accuris qMax Probe (blue) exhibits improved speed and better overall performance compared with Competitor AB (black).



Item No.	Description	Reactions (20µl volume)
PR2001-N-S	Accuris qMax Probe, No Rox qPCR Mix	20
PR2001-N-100	Accuris qMax Probe, No Rox qPCR Mix	100
PR2001-N-500	Accuris qMax Probe, No Rox qPCR Mix	500
PR2001-N-1000	Accuris qMax Probe, No Rox qPCR Mix	1000
PR2001-L-S	Accuris qMax Probe, Low Rox qPCR Mix	20
PR2001-L-100	Accuris qMax Probe, Low Rox qPCR Mix	100
PR2001-L-500	Accuris qMax Probe, Low Rox qPCR Mix	500
PR2001-L-1000	Accuris qMax Probe, Low Rox qPCR Mix	1000
PR2001-H-S	Accuris qMax Probe, High Rox qPCR Mix	20
PR2001-H-100	Accuris qMax Probe, High Rox qPCR Mix	100
PR2001-H-500	Accuris qMax Probe, High Rox qPCR Mix	500
PR2001-H-1000	Accuris qMax Probe, High Rox qPCR Mix	1000

Confused about which product will work best for your application and instrument? Use our PCR Reagent Selector Tool at [www.accuris-usa.com/PCRselector](http://www.accuris-usa.com/PCRselector).

## Accuris qMAX™ cDNA Synthesis Kit

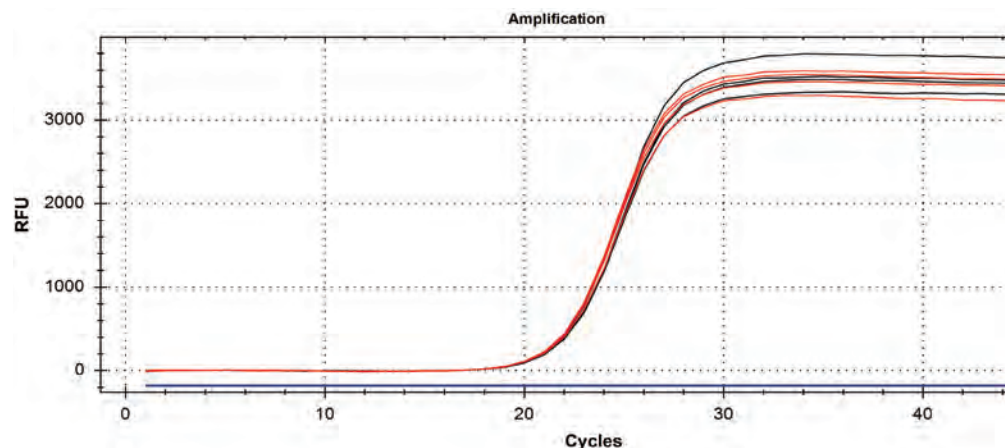


- **Rapidly generate high quality, qPCR ready cDNA**
- **Unbiased, complete sequence representation**
- **Thermostable qMax RT with RNase inhibitor**
- **Optimized for use across a wide dynamic range**
- **Two tube format for easy reaction set up**

cDNA is a vital research tool for Molecular Biologists. The qMax DNA Synthesis Kit from Accuris provides a quick, accurate and reproducible way to obtain high quality cDNA with a complete sequence representation for 4pg to 2µg of total RNA or mRNA.

The centerpiece of the qMax cDNA Synthesis Kit is qMax RT - a thermostable reverse transcriptase that allows reactions to be carried out at higher temperatures, thus eliminating the problems created by secondary structure in the RNA. A potent RNase inhibitor maintains integrity of the starting material. Unbiased representation and synthesis are ensured by a precise mix of anchored oligo (dT) and hexamer primers in the 5X buffer system. Buffer and enzyme are supplied in separate tubes to allow for negative control reactions.

Accuris qMax qPCR mixes are the ideal partner for quantitative PCR of cDNA.



Unbiased cDNA Synthesis

Accuris qMax cDNA Synthesis Kit provides unbiased synthesis and better representation of the full length product. cDNA synthesis of the 2.3kb RS18 gene was performed using the Accuris qMax cDNA Synthesis Kit. The image at left is the result of qPCR using two primer pairs designed for the 3' and 5' ends of the gene. The black traces represent the 3' primer and the red traces the 5' primer. The nearly identical traces show equal representation of both ends of the gene.

Item No.	Description	Reactions (20µl volume)
PR2100-C-S	Accuris qMax cDNA Synthesis Kit, sample	5
PR2100-C-25	Accuris qMax cDNA Synthesis Kit	25
PR2100-C-100	Accuris qMax cDNA Synthesis Kit	100
PR2100-C-250	Accuris qMax cDNA Synthesis Kit	250

Accuris also offers a complete line of end point PCR products as well as laboratory equipment. For details, visit our website at [www.accuris-usa.com](http://www.accuris-usa.com) or contact your local Accuris dealer.



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