Our Mx3000P® and Mx3005P™ personal quantitative PCR (QPCR) Systems combine an advanced optical system with powerful data analysis to give you complete flexibility at an affordable price. Our open platform design supports traditional and advanced applications as well as newly emerging QPCR chemistries. In addition, our MxPro™ QPCR Software combines leading edge data analysis algorithms with intuitive organization designed for ultimate ease-of-use.

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Systems that set the standard, software that’s a step ahead.
Lead the way with a Stratagene personal QPCR system featuring enhanced MxPro™ QPCR Software.
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For Research Use Only. Not for use in diagnostic procedures.

**QUANTITATIVE** Comparative Quantitation module in our MxPro™ Software

plasmid containing

Dilution series from 20,000 to 1.2 copy equivalent of

spans a Ct range of 17-37 (delta Ct = 20).

**System Performance:**
- Linear dynamic range: 10 orders of magnitude, standard curve method
- Excitation range: 350 to 750 nm
- Emission range: 350 to 700 nm
- Temperature uniformity: +/- 0.25°C at 72°C
- Thermal block ramp rate: Up to 2.5°C/second
- Amplification rate: Standard 40-cycle, two-step QPCR reaction completed in 90 minutes; reaction is completed in 60 minutes using FullVelocity™ SYBR® Green QPCR reagents (without dissociation curve)
- Discrimination: Distinguish samples with 5,000 and 10,000 template copies with a 99.7% confidence level
- Detection down to single-copy equivalents

**MxPro™ QPCR Software:**
- Interfaces with Mx3000P™ and Mx3005P™ Systems simultaneously and supports up to six systems in any combination attached to a single computer
- Streamlined plate setup with dye editing dropdown menu
- Right mouse-click capability throughout the software to allow quicker and easier access to menu functions
- The Comparative Quantification module generates and displays normalized fold change values on a chart using a base 2 logarithmic scale
- Gene expression fold change is displayed with upper and lower limit error bars based on replicate variability for up to four targets normalized to a single reference gene with efficiency corrections for each gene target
- View amplification plots and standard curves for up to five targets on the same screen with threshold changes instantly updated on the standard curve
- Improved test reports display target-specific data analysis parameters at the top of each report and allow for customization through adding/removing columns and enhanced sorting capability
- Export any data set directly into .xls, .ppt, .bmp, .txt, or .xml format. Charts and graphs can be exported directly to Microsoft® PowerPoint® and Excel®
- Auto generation of charts and graphs in Excel® during export
- Create custom consolidated data reports by selecting which analysis screens to include and how the report will organize the data
- Optional 21 CFR Part 11 compatible features including secure application login, database file management, electronic audit trail functionality, and report generation

**Choice of Filters Included**

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALEXA Fluor® 350 (350 nm-440 nm)</td>
<td>FAM®/SYBR® Green I (492 nm-516 nm)</td>
</tr>
<tr>
<td>TAMRA™ (556 nm-580 nm)</td>
<td>TAMRA™ (556 nm-580 nm)</td>
</tr>
<tr>
<td>ROX™/Texas Red® (585 nm-610 nm)</td>
<td>Cy™3 (545 nm-568 nm)</td>
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<tr>
<td>Cy™5 (635 nm-665 nm)</td>
<td>Cy™5 (635 nm-665 nm)</td>
</tr>
</tbody>
</table>

**Linearity of Detection:**

ALIEN, Y = -4.093*LOG(X) + 31.88, Eff. = 75.5%

HFE Standards, RSq:0.997

CFTR, Y = -3.242*LOG(X) + 36.33, Eff. = 103.4%

CYCLO, Y = -3.315*LOG(X) + 26.12, Eff. = 100.3%

**MxPro® Software with 21 CFR Part 11 Features**

Optional 21 CFR Part 11 compatible features including secure application login, database file management, electronic audit trail functionality, and report generation

**Mx3005P™ Quantitative PCR System (230v) with desktop computer**

- Linear dynamic range: 10 orders of magnitude, standard curve method
- Linear dynamic range: 350 to 750 nm
- Temperature uniformity: +/- 0.25°C at 72°C
- Embedded computer collects and saves experiment data during power failure or computer crash
- Dimensions: 13” (33 cm) W x 18” (46 cm) D x 17” (43 cm) H, Weight: 45 lbs. (20.4 kg)
- Power: 100 to 230 VAC +/- 10%, 50/60 Hz

**Contact us for more information on our QPCR Systems:**

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