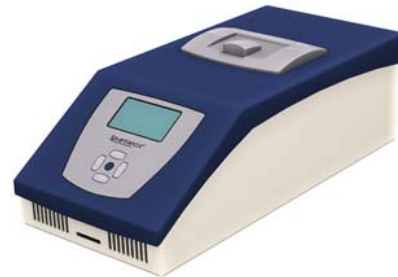




## DNA Analyzers for on-demand, non-batched testing

- Fast:** PCR results on-demand
- Affordable:** Price affordable for all labs
- Easy to use:** Learn to use it in 10 minutes
- Portable:** Perfect for on-site sample testing

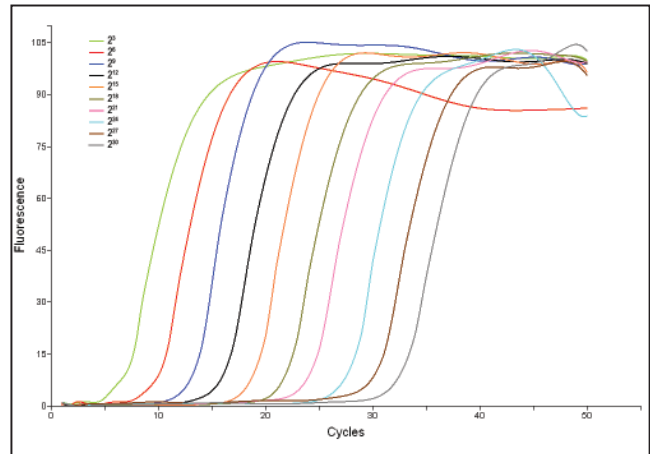
## SpartanDX-12™



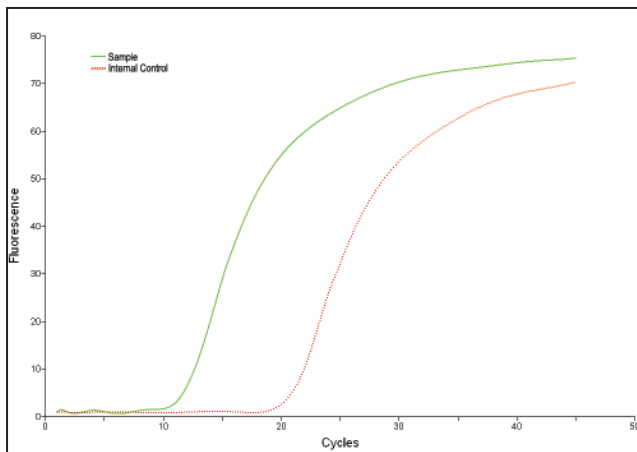
The Spartan DX-12™ is designed for non-batched PCR applications. It is a portable, lightweight, and stand-alone instrument.

### Stop waiting. Start getting DNA results on demand.

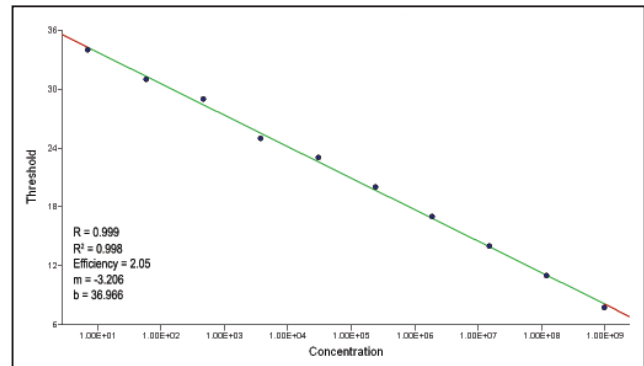
- 12-well sample capacity and dual-channel detection
- Performs 2 or 3-temperature PCR programs
- Small footprint maximizes bench space
- Built-in Reverse Transcription (RT) program for RNA analysis
- Compatible with leading reagents and kits



Real-time PCR results for 10 dilutions of plasmid DNA ( $2^3$ ,  $2^6$ ,  $2^9$ ,  $2^{12}$ ,  $2^{15}$ ,  $2^{18}$ ,  $2^{21}$ ,  $2^{24}$ ,  $2^{27}$  and  $2^{30}$ ). Fluorescence in arbitrary units (a.u.) is plotted against cycle number.



Representative real-time PCR graph of a positive run with an internally controlled sample.



Efficiency plot for serial dilution.

# Preliminary

Specifications on reverse



## Higher Productivity Rapid Diagnosis

Custom Spartan Tube & Cap



Spartan Tube Rack & Centrifuge Adaptors



## Specifications

Spartan DX-12	
<b>TECHNICAL</b>	
Sample capacity	✎ 12 wells
PCR Modes	✎ 2- temperature or standard 3-temperature programs
Detection modes	<ul style="list-style-type: none"> <li>✎ End-point</li> <li>✎ Real-time (With appropriate license)</li> <li>✎ Qualitative / Quantitative</li> <li>✎ 2-channel detection (Green: 520-532 nm / Red: 620-800nm)</li> </ul>
Features	<ul style="list-style-type: none"> <li>✎ Qualitative / Quantitative</li> <li>✎ 2-channel detection (Green: 520-532 nm / Red: 620-800nm)</li> <li>✎ Melt Curve Analysis</li> </ul>
Data storage and transfer	✎ Flash memory (SD/USB) card and USB flash drive
Operational requirements	✎ Built-in LCD display and keypad. No external computer required. Standard PC with available flash card reader or USB port required for data transfer and analysis
Ease of use	✎ Simple menus and user interface. Learn to use it in 10 minutes
Optimized Run-times	✎ 15 min - 30 min
Graphing software	✎ Spartan graphing and analysis software [included]
Heating / Cooling Rates	✎ Up to 8°C/s heating and 5°C/s cooling
<b>CONSUMABLES</b>	
Detection	<ul style="list-style-type: none"> <li>✎ Channel 1 – Fluorophore: FAM/SYBR™ Green – Quencher: BHQ-1</li> <li>✎ Channel 2 – Fluorophore: Cal Fluor 610/Texas Red/ROX – Quencher: BHQ-2</li> </ul>
Reaction Tubes	✎ Spartan tube with improved thermal and optical performance
<b>PHYSICAL</b>	
Dimensions / Weight	<ul style="list-style-type: none"> <li>✎ Portable with a small footprint</li> <li>✎ 17(W) x 36(D) x 12(H) cm / 4.2 kg [6.69"(W) x 14.17"(D) x 4.72"(H) / 9.3 lbs]</li> </ul>
Package contents	✎ Spartan DX-12, User manual, USB Flash Drive, 15V power supply, 12 centrifuge adaptors, 1 set-up rack, starter pack of tubes, CD with Graphing Software
Warranty	<ul style="list-style-type: none"> <li>✎ 1 Year Spartan Standard Warranty</li> <li>✎ Optional Spartan Worry Free Warranty</li> </ul>