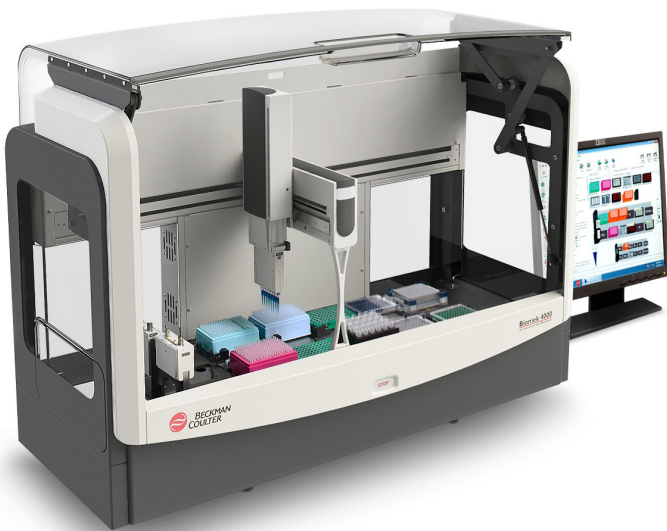
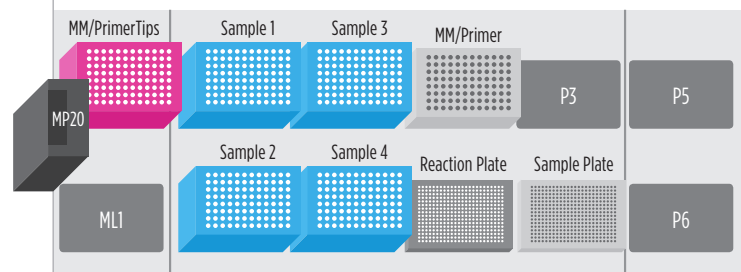


Biomek® 4000 Automated qPCR Setup

High-speed qPCR setup using 384 well plates
in less than 30 minutes.




Quick and simple qPCR setup without compromising results



Deck Layout

3 simple steps to fast reliable results:

- 1. Select options**
Sample count, DNA sample, master mix & primer volume
- 2. Place labware samples & reagents on deck**
- 3. Press  and walk away**

“With this qPCR assay and the Biomek® 4000, we’re able to meet throughput and data quality requirements while also saving time and money with a largely hands-free process.”

Russell McSweeney, Principal Research Associate
Belfer Institute for Applied Cancer Research

Make better use of your research time

Perform high-throughput qPCR in a 384-well format and benefit from extended hours of walk-away automation without compromising results.

- Robust positional accuracy with the AccuFrame tool increases sample quality and lab productivity
- Benchtop plate handler processes up to 16 x 384 qPCR setup plates **in one day**
- Seamless sample collection without modifying the method
- Easy-to-use methods with flexibility to choose DNA sample, master mix and primer volume
- Suitable for a wide range of applications including extraction protocols, PCR setup and cleanup



Life Sciences

qPCR Setup using 384 well plates

Finalized Assay Results

Without Omissions*		With Omissions*	
Avg Target St Dev	Avg Control St Dev	Avg Target St Dev	Avg Control St Dev
0.17	0.12	0.15	0.09

Without Omissions*		With Omissions*	
Avg Target CV	Avg Control CV	Avg Target CV	Avg Control CV
0.64%	0.68%	0.43%	0.54%

*Omissions are outlier values that are eliminated due to loading errors flagged by ViiA™ Real-Time PCR system based on internal control values.

Fast qPCR option reduces run time by as much as 40 minutes in a 384-well plate

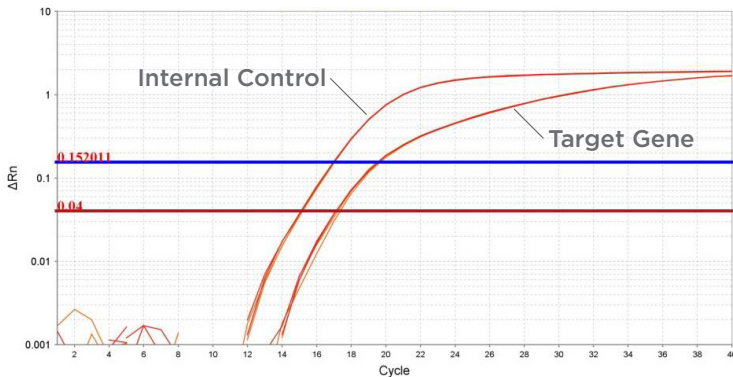
Resource Allocation Analysis	1 FTE Manual Setup ≈ 40-60 minutes	1 FTE Automated Setup ≈ 10-20 minutes	Avg Time Saved ≈ 30-40 minutes/FTE
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Representative Amplification Curves

Each Sample (control/target in quadruplicates)

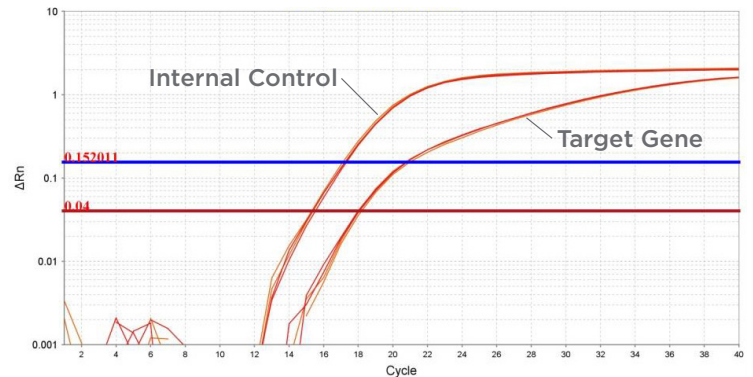
Target Gene Sample 1

Amplification Plot



Target Gene Sample 2

Amplification Plot



Learn more about the Biomek® 4000 and other Beckman-Coulter products designed for your genomics workflow needs at beckmancoulter.com.

Sales (800) 526-3821

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