



UltraFast LabChip Real-time PCR

QD-P100



Specifications

Dimension [W x D x Hmm ³]	274 x 156 x 206
Weight [kg]	4
Reaction Volume [μ l]	8
InputVoltage [V]	AC 100 - 240 (free voltage)
Input Frequency [Hz]	50 - 60
Input Power [W]	110
OptimalOperatingTemperature [°C]	30 - 110
Optimal Operating Humidity [%]	10 - 70 (non-condensing)

LabChip	170 x 267 x 230
Temperature Accuracy [°C]	± 0.3
Optimal Operating Temperature [°C]	15 - 35
Optimal Operating Humidity [%]	10 - 70 (non-condensing)
Communication	USB 2.0 or Bluetooth 4.0
Interface	Touch Screen / PC / Mobile
Data Storage	100 runs
Colors (nm)	FAM (515-550 nm) HEX (560-580 nm) TEX (610-630 nm) CY5 (670-710 nm)

UltraFast LabChip Real-time PCR

QD-P100



UltraFast LabChip Real-time PCR System

MOBILITY

Touch Screen
Result Print-out

LIGHT

4 kg Weights

FAST

ONLY
12 MIN, 30 Cycles
30 MIN, 45 Cycles
(TaqMan)

LABCHIP

New & High
Technology

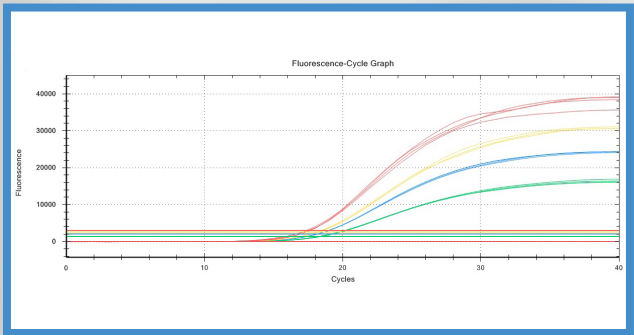
MULTIPELEX

4 Color System
FAM/HEX/TEX/CY5

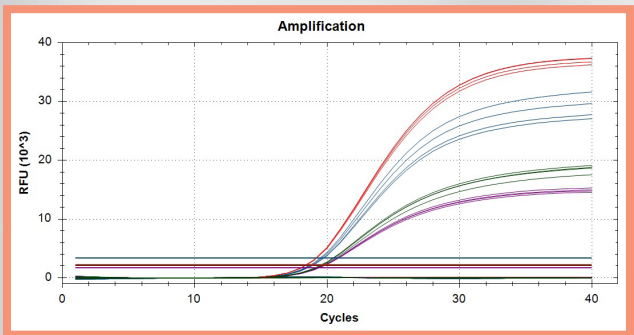
ECONOMY

Low Running Cost

QD-P100



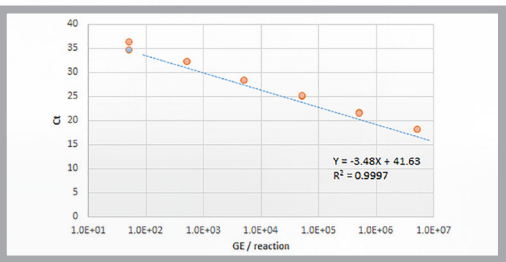
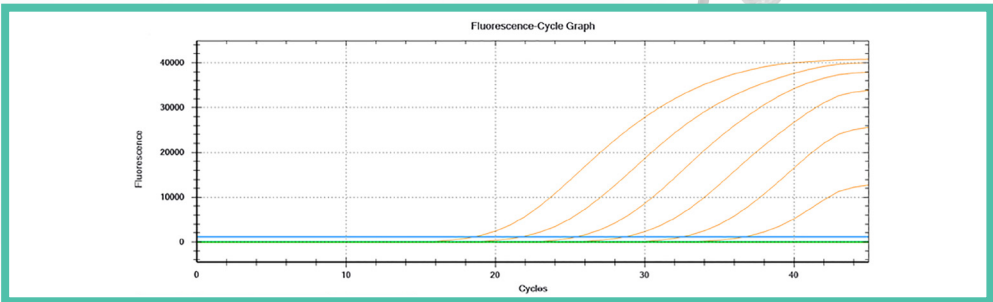
Company "B"



Ct value / Fluorescence value

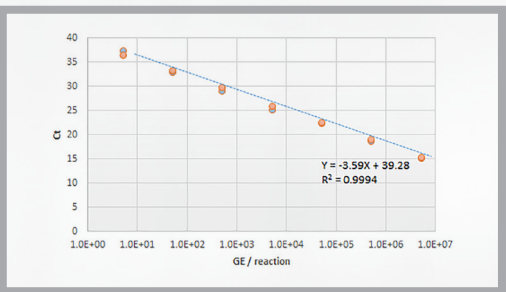
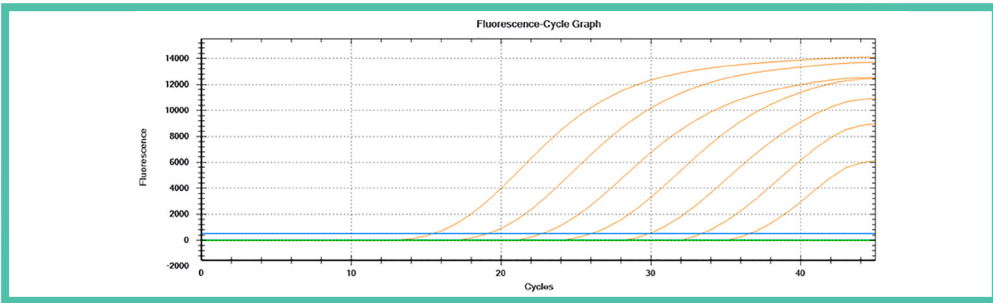
CH	Dye	QD-P100		Company "B"	
		Ct	Ratio	Ct	Ratio
1	FAM	18.04	1.00	19.57	1.00
2		18.02		19.70	
3		18.05		19.76	
4		18.06		19.47	
AVG.		18.04		19.63	
5	Cy5	17.69	0.91	19.46	0.51
6		17.66		19.41	
7		18.03		19.37	
8		17.59		19.41	
AVG.		17.74		19.41	
9	HEX	18.18	0.97	19.46	0.64
10		18.15		19.51	
11		18.22		19.65	
12		18.17		19.52	
AVG.		18.18		19.54	
13	Texas Red	18.24	1.19	18.37	1.28
14		18.33		18.42	
15		18.31		18.38	
16		18.18		18.39	
AVG.		18.27		18.39	

Salmonella spp. Kit



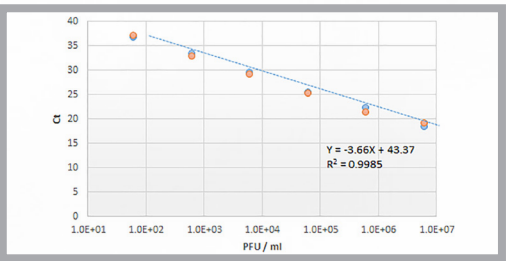
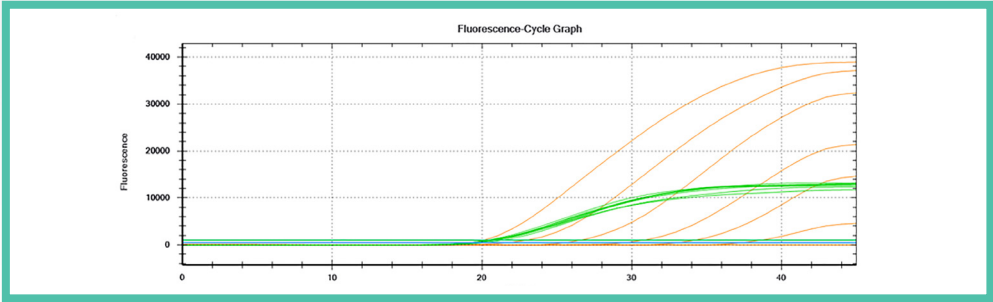
Concentration	Ct
5 X 10 ⁶ GE/reaction	18.43
5 X 10 ⁵ GE/reaction	21.60
5 X 10 ⁴ GE/reaction	25.31
5 X 10 ³ GE/reaction	28.53
5 X 10 ² GE/reaction	32.40
5 X 10 ¹ GE/reaction	36.53

Vibrio cholera Kit



Concentration	Ct
5 X 10 ⁶ GE/reaction	15.35
5 X 10 ⁵ GE/reaction	19.03
5 X 10 ⁴ GE/reaction	22.64
5 X 10 ³ GE/reaction	25.95
5 X 10 ² GE/reaction	29.78
5 X 10 ¹ GE/reaction	33.30
5 X 10 ⁰ GE/reaction	36.50

Zika virus detection Kit



Concentration	Ct Zika
6 X 10 ⁶ PFU/ml	19.27
6 X 10 ⁵ PFU/ml	21.55
6 X 10 ⁴ PFU/ml	25.41
6 X 10 ³ PFU/ml	29.37
6 X 10 ² PFU/ml	33.00
6 X 10 ¹ PFU/ml	37.17