

## CFX96 Touch Real-Time PCR Detection System

The CFX96 Touch System is a powerful, precise, and flexible real-time PCR detection system. This six-channel (five colors and one FRET channel) real-time PCR instrument combines advanced optical technology with precise temperature control to deliver sensitive, reliable detection for simplex or multiplex reactions.

Quickly set up runs and monitor amplification traces in real time on the integrated LCD touch screen, or use the included CFX Maestro Software to easily and intuitively design your experiment and analyze results from a connected computer. With up to five-target detection, unsurpassed thermal cycler performance, unrivaled stand-alone functionality, and powerful yet easy-to-use software, the CFX96 Touch System is designed to advance your qPCR.



Thermal Cycler	
Chassis	C1000 Touch™
Maximum ramp rate, °C/sec	5
Average ramp rate, °C/sec	3.3
Heating and cooling method	Peltier
Lid, °C	Heats up to 105
Temperature	
Range, °C	0–100
Accuracy, °C	±0.2 of programmed target at 90°C
Uniformity, °C	±0.4 well-to-well within 10 sec of arrival at 90°C
Gradient	
Operational range, °C	30–100
Programmable span, °C	1–24
Optical Detection	
Excitation	6 filtered LEDs
Detection	6 filtered photodiodes

Range of excitation/emission wavelengths, nm	450–730
Sensitivity	Detects 1 copy of target sequence in human genomic DNA
Dynamic range	10 orders of magnitude
<b>Scan Time</b>	
All channels, sec	12
FAM/SYBR® Green only, sec	3
<b>Software</b>	
Operating systems	Windows 7, Windows 8, Windows 10
Multiplex analysis	Up to 5 targets per well
<b>System</b>	
Licensed for real-time PCR	Yes
Sample capacity, wells	96
Sample size, µl	1–50 (10–25 recommended)
Communication interface	USB 2.0
Electrical approvals	IEC, CE
Dimensions (W x D x H), cm/in	33 x 46 x 36 /13 x 18 x 14
Weight, kg/lb	21/47

<https://www.bio-rad.com/en-tr/product/cfx96-touch-real-time-pcr-detection-system?ID=LJB1YU15>

Incorporated laptop with i5 core, 4Gb RAM, 500G