

LightCycler 480 Specification

Reaction Vessel	384-well PCR plate
Block cycler	96 or 384-well format Includes Thermo-Base
Reaction Volume	384-well PCR plate: 3 - 20 μ L
Excitation Source	Broad-spectrum, high-intensity LED (390 – 710 nm)
Excitation Filters	440, 465, 498, 533, 618 nm
Detection	Simultaneous, scan-free detection of signals from all wells with telecentric optics and monochrome CCD camera
Detection Filters	488, 510, 580, 610,640, 660 nm
Measuring Mode	Real-time, online (continuous display of readings)
Temperature Control	Peltier-based heating/cooling from 37°C – 95°C
Heating rate	4.8°C
ROX calibration	Not required
Preinstalled software	1) Tm Calling 2) Absolute Quantification Analysis 3) Relative Quantification Analysis 4) Endpoint Genotyping 5) Melting Curve Genotyping