

## Introducing the Digital LightCycler® System from Roche:

Designed for a new level of dPCR Performance

The new Digital LightCycler® System from Roche has been developed to take digital polymerase chain reaction (dPCR) to the next level for clinical applications. The Digital LightCycler® System will offer a game changing combination of: three unique solid state partition plates, six channel multiplexing capabilities, a 5x concentrated master mix reagent, and highly sophisticated optics. The development results have shown exceptional data quality - including superb cluster tightness with no rain - in a system that offers intuitive and flexible workflow options for any lab.

### System highlights:

- **6 optical channel**  
analyser to enable high multiplexing
- **3 consumables configurations**  
for different clinical applications
- **Generic 5x DNA Master**  
optimised for high specificity and signal separation
- **Generic 5x RNA Master**  
optimised for robust and efficient RT activity
- **Simple workflow**  
with sample tracking and automated data analysis
- **Max. 96 samples per run (1-12 plates)**
- **Run time 2-4 hours**

# Software - Designed for flexible workflows for a variety of applications



**Flexible**  
for development of LDTs



**Absolute**  
quantification



**Indel**



**Relative**  
quantification



**Automatic**  
clustering



Web interface for  
**remote access**



**Full sample**  
tracking



**LIS** LIS interface

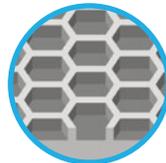


## 3 nanowell plate types (physical partitions)



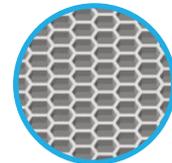
**High Sensitivity**  
~45uL, ~20k partitions

Cell-free DNA  
Oncology  
Rare Mutation Detection



**Universal**  
~30uL, ~28k partitions

Gene Expression  
Transplant Rejection  
Absolute Quantification



**High Resolution**  
~15uL, ~100k partitions

Copy Number Variation  
NIPT  
Human Genetic Disease

**8 sample lanes per plate**

THIS PRODUCT IS NOT AVAILABLE FOR PURCHASE BY THE GENERAL PUBLIC.  
ALWAYS READ THE LABEL AND FOLLOW THE DIRECTIONS FOR USE.

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MC-AU-02492

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