

Real Time PCR

Description

Roche LC 480 II Real Time PCR [\(More details\)](#)

Location

Rm510B, Biotech Centre 1

Features

- Plate based (96-well)
- Reaction volume of 10-100 μ L
- Novel Thermo-Base technology provides outstanding temperature homogeneity and assay reproducibility
- Fast cycling time – typical run times are under an hour
- No passive reference dye for normalization needed
- Five excitation and six emission filters can be used in any combination and compatible with most currently available dyes and assay formats



Xenon lamp (430–630)							
Excitation filters	440	465	498	533			618
Emission filters	488	510	580	610	640	660	
Dye	LightCycler® Cyan 500	SYBR ResoLight	Fluorescein FAM	HEX (VIC)	LightCycler® Red 610	LightCycler® Red 640	Cy5
Melting Curve		•					
HRM		•					
SimpleProbe probes			•				
HybProbe probes				(•)	•	•	•
Hydrolysis probes 1–3 colors			•	•			•
Hydrolysis probes 4 colors	•		•		•		•

(•) FRET Donor

Assay Formats

- Universal ProbeLibrary [\(More details\)](#)
- SYBR Green I [\(More details\)](#)
- HybProbe Probes [\(More details\)](#)
- Hydrolysis Probes [\(More details\)](#)
- SimpleProbe Probes [\(More details\)](#)
- High Resolution Melting [\(More details\)](#)

Applications

- Absolute and relative quantitation of gene transcription
- Detection of genetic variation (e.g. SNPs)
- Genotyping

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