

Materials List for:

Methods to Increase the Sensitivity of High Resolution Melting Single Nucleotide Polymorphism Genotyping in Malaria

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Materials

Name	Company	Catalog Number	Comments
LightScanner Master Mix	BioFire Defense	HRLS-ASY-0003	
Light mineral oil	Sigma	M5904	for BioFire Defense plate-based HRM systems
TE	Teknova	T0226	
Te	Teknova	T0221	TE buffer with reduced EDTA
PCR grade water	Teknova	W3330	
Plasmodium falciparum standards	MR4	MRA-151, 156, 205, 330	MR4.org offers free genomic DNA
Light Scanner Primer Design Software	BioFire Defense		commercial software for HRM assay design
LightCycler 480 High Resolution Melting Master Mix	Roche	4909631001	For use in LightCycler-480, -96, and nano. 2x concentration
Bioanalyzer	Agilent	G2938A	Agilent 2100 bioanalyzer
LightCycler 2.0	Roche	3531414001	Capillary-based system for MAAB
LightCycler Nano	Roche	6407773001	Strip tube-based HRM and amplification
LightCycler 96	Roche	5815916001	Strip-tube and plate-based HRM and amplification
LightCycler 480	Roche	5015278001	plate-based HRM (96 and 384-well plates) and amplification
LightScanner-96	BioFire Defense	LSCN-ASY-0011	plate-based HRM (96-well)
LightScanner-384	BioFire Defense	LSCN-ASY-0001	plate-based HRM (96-well)
96-well plates	Roche	4729692001	96-well plates for HRM (LightCycler)
384-well plates	Roche	4729749001	384-well plates for HRM (LightCycler)
96-well plates	Bio-Rad	HSP-9665	96-well plates for HRM (LightScanner)
384-well plates	Bio-Rad	HSP-3865	384-well plates for HRM (LightScanner)
LightCycler 8-Tube Strips (clear)	Roche	6327672001	strip tubes for HRM (Light Cycler 96 and Light Cycler Nano)
LightCycler Capillaries (20 µl)	Roche	4929292001	capillaries for HRM
Optical plate seals	Roche	4729757001	other brands also work