

Materials List for:

# qKAT: Quantitative Semi-automated Typing of Killer-cell Immunoglobulin-like Receptor Genes

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## Materials

Name	Company	Catalog Number	Comments
<b>REAGENTS</b>			
Oligonucleotides	Sigma	Custom order	SEQUENCES: Listed in Table 4
Probes labelled with ATTO dyes	Sigma	Custom order	SEQUENCES: Listed in Table 3
SensiFAST Probe No-ROX Kit	Bioline	BIO-86020	–
MilliQ water	–	–	–
<b>EQUIPMENT</b>			
Centrifuge with a swinging bucket rotor	Eppendorf(or equivalent)	Eppendorf 5810R or equivalent system	
NanoDrop	Thermo Scientific	ND-2000	
<b>OR</b>			
QuBit Fluorometer	Life Technologies	Q33216	
Matrix Hydra	Thermo Scientific	109611	
LightCycler 480 II Instrument 384-well	Roche	05015243001	
Twister II Microplate Handler with MéCour Thermal Plate Stacker (MéCour)	Caliper Life Sciences	204135	
Vortex mixer	Biosan	BS-010201-AAA	
Single-channel pipettes (volume range: 0.5–10 µL, 2–20 µL, 20–200 µL, 200–1,000 µL; 1–10 mL)	Gilson(or equivalent)	F144801, F123600, F123615, F123602, F161201	
RNase- and DNase-free pipette tips filtered (10 µL, 20 µL, 200 µL, 1,000 µL, 10 mL)	Starlab (or equivalent)	S1111-3810, S1120-1810, S1120-8810, S1111-6810, I1054-0001	
StarTub PS Reagent Reservoir, 55 mL	STARLAB	E2310-1010	
50 mL Centrifuge Tube	STARLAB	E1450-0200	
96-well deep well plate	Fisher Scientific	12194162	
LC480 384 Multi-well plates	Roche	04729749001	
LightCycler 480 Sealing Foil	Roche	04729757001	
<b>Name</b>	<b>Company</b>	<b>Catalog Number</b>	<b>Comments</b>

SOFTWARE			
Roche LightCycler 480 Software v1.5			
Applied Biosystems CopyCaller Software v2.1			<a href="https://www.thermofisher.com/uk/en/home/technical-resources/software-downloads/copycaller-software.html">https://www.thermofisher.com/uk/en/home/technical-resources/software-downloads/copycaller-software.html</a>
KIR haplotype identifier			<a href="http://www.bioinformatics.cimr.cam.ac.uk/haplotypes/">http://www.bioinformatics.cimr.cam.ac.uk/haplotypes/</a>