

Materials List for:

A Functional Whole Blood Assay to Measure Viability of Mycobacteria, using Reporter-Gene Tagged BCG or M.Tb (BCG *lux*/M.Tb *lux*)

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Materials

Name	Company	Catalog Number	Comments
BCG <i>lux</i>	Various	n/a	
Middlebrook 7H11 agar	BD Biosciences	283810	
Middlebrook 7H9 broth	BD Biosciences	271310 (500g)	
Middlebrook ADC enrichment	BD Biosciences	212352	
Middlebrook OADC supplement	BD Biosciences	212240	
Tween 80	Sigma-Aldrich	274364	
Glycerol	Sigma-Aldrich	G5150	
Hygromycin B	Roche Group	10843555001 (20ml)	
N-decyl aldehyde	Sigma-Aldrich	D7384-100G	
Ethanol (>99.7%)	VWR international	101077	
Sterile PBS	In House	n/a	
RPML-1640 with L-Glutamine, 25mM HEPES	Sigma-Aldrich	R0883	
Sterile distilled Water	In House	n/a	
Tube luminometer (injectable port mandatory)	Berthold Technologies		
Luminometer tubes, 12 x 75mm, pyrex rimless	Corning	99445-12	
Erlenmeyer flasks with vented caps, sterile polycarbonate 250ml	Corning	2150329	
BD Vacutainer Blood Collection Tubes (preservative-free heparin)	BD Biosciences	367676	
50ml Falcon tubes, conical	BD Biosciences	352077	
7ml Sterilin specimen polypropylene bijoux tubes	VWR international	99445-12	
Sterilin Universal containers (30 ml)	Laboratory Analysis LTD	128C	
Glass beads 2mm diameter	Sigma-Aldrich	Z143928	
10ml pipettes and pipette boy	Any Supplier		
1000µl and 200µl pipettes and filter tips	Any Supplier		
Class II safety cabinet			
Refrigerator (4°C)			
Centrifuge			
Rocking shaker platform (180°) to mix tubes			

Orbital Shaker incubator set at 37°C for growing up bacterial cultures			
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