

Materials List for

Lactate Dehydrogenase Release Assay to Detect *Cryptococcus neoformans* Infection in Macrophages

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URL: <https://www.jove.com/video/21660>

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Materials

Name	Company	Catalog Number	Comments
100 mM Tris-HCl, pH 8.5	Fisher Scientific	BP152-1	Maintain at 4°C
60 x 15 mm Dish, Nunclon Delta	ThermoFisher Scientific	174888	
6-well cell culture plate	ThermoFisher Scientific	140675	
Conical falcon tubes (15 mL)	Fisher Scientific	05-539-12	
Countess II Automated Cell Counter	ThermoFisher Scientific	AMQAX1000	Not essential, haemocytometer can be used as an alternative.
CytoTox 96 Non-Radioactive Cytotoxicity Assay	Promega	G1780	
DMEM, high glucose, GlutaMAX Supplement	ThermoFisher Scientific	10566016	
Fetal Bovine Serum (FBS)	ThermoFisher Scientific	12483020	Heat inactivate by incubating at 60°C for 30 minutes. Prepare 50 ml aliquots and flash freeze. Thaw prior to media preparation
Hemocytometer	VWR	15170-208	
HEPES	Sigma Aldrich	H3375	Prepare 40 mM HEPES/8 M Urea in bulk stock solution, flash frozen, store at -20°C until use. Discard after each use (do not freeze-thaw repeatedly).
L-glutamine	ThermoFisher Scientific	25030081	Can be aliquot and frozen for storage. Thaw prior to media preparation.
Microcentrifuge	Eppendorf	13864457	
Penicillin : Streptomycin 10k/10k	VWR	CA12001-692	Can be aliquot and frozen for storage. Thaw prior to media preparation.
Phosphate-Buffered Saline	VWR	CA12001-676	Purchase not required. PBS can also be prepared but sterile filtration must be performed before use.
Pipette, Disposable Serological (10 mL)	Fisher Scientific	13-678-11E	
Pipette, Disposable Serological (25 mL) Basix	Fisher Scientific	14955235	
Trypsin/Lys-C protease mix, MS grade	Pierce	A40007	Maintain at -20 °C.
Urea	Sigma Aldrich	U1250-1KG	Prepare 40 mM HEPES/8 M Urea in bulk stock solution, flash frozen, store at -20 °C until use. Discard after each use (do not freeze-thaw repeatedly).

Yeast-extract peptone dextrose broth	BD Difco	BM20	
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