

Materials List for:

Automated Measurement of *Cryptococcal* Species Polysaccharide Capsule and Cell Body

Quigly Dragotakes¹, Arturo Casadevall¹

¹Department of Molecular Microbiology and Immunology, Johns Hopkins Bloomberg School of Public Health

Correspondence to: Quigly Dragotakes at qdragot@jhu.edu

URL: <https://www.jove.com/video/56957>

DOI: [doi:10.3791/56957](https://doi.org/10.3791/56957)

Materials

Name	Company	Catalog Number	Comments
India Ink	Becton, Dickinson and Co.	261194	
Fisherbrand Superfrost Microscope Slides	Fisher Scientific	12-550-143	25x75x1
Fisherfinest Premium Cover Glass	Fisher Scientific	12-548-B	22x22-1
Sally Hansen HardasNails Xtreme Wear Nail Polish	Sally Hansen	N/A	109 invisible
SAB Media	Sigma	S3306	
Cryptococcus neoformans	ATCC	208821	H99 strain
Olympus AX70 Microscope	Olympus	AX70TRF	Discontinued ; Bright Field Microscope
Qimaging Retiga 1300	Qimaging	N/A	Discontinued ; Camera Microscope Attachment
MATLAB	MathWorks	N/A	Most recent version recommended
Python Programming Language	Python	N/A	Version 2 necessary ; 2.7 recommended
Microsoft Excel	Microsoft	N/A	Most recent version recommended
Phosphate Buffered Saline (PBS)	Sigma	P3813	