

Materials List for:

Fabricating Cotton Analytical Devices

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Materials

Name	Company	Catalog Number	Comments
bovine serum albumin	Sigma-Aldrich, US	No. 9048468	≥ 99%
nitrite	Sigma-Aldrich, US	No. 7632000	≥ 99%
urobilinogen	Santa Cruz Bio, US	No. SC-296690	
citrate	Sigma-Aldrich U.S	No. 6132043	≥ 99%
tetrabromophenol blue	Sigma-Aldrich U.S	No. 4430255	≥ 99%
sulfanilamide	Sigma-Aldrich U.S	No. 63741	≥ 99%
citric acid	Sigma-Aldrich U.S	No. 77929	≥ 99.5%
N-(1-naphthyl) ethylenediamine dihydrochloride	Sigma-Aldrich U.S	No. 1465254	≥ 98%
4-(Dimethylamine)benzaldehyde	AlfaAesar, U.S	No. A11712	≥ 98%
Methyl Red sodium salt	sigma, U.S	No. 114502	≥95%
Bromothyle blue	sigma, U.S	No. 114413	≥95%
Shiseido Cleansing Cotton	Shiseido, Japan	No. 79014	
chromatography paper	GE Healthcare Whatman, Springfield Mill, UK	No. 30306132	
plastic substrate	lamination film, MAS	A4	216 mm x 303 mm
scanner	microtek scanmaker	i2400	
paper cutter	Life paper cutter	No.306	
laminator	AURORA	LM4231H	
laminator film	UNI LAMI	4A	