

Analysis of the Lipid Composition of Mycobacteria by Thin Layer Chromatography

 Sandra Guallar-Garrido¹, Marina Luquin¹, Esther Julián¹
¹Departament de Genètica i de Microbiologia, Facultat de Biociències, Universitat Autònoma de Barcelona

Corresponding Author

 Esther Julián
 esther.julian@uab.cat

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jove.com/video/62368

Materials

Name	Company	Catalog Number	Comments
Acetic Acid	Merck	100063	CAUTION. Anhydrous for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Acetone	Carlo Erba	400971N	CAUTION. ACETONE RPE-ACS-ISO FOR ANALYS ml 1000
Anthrone	Merck	8014610010	Anthrone for synthesis.
Benzene	Carlo Erba	426113	CAUTION. Benzene RPE - For analysis - ACS 2.5 l
Capillary glass tube	Merck	BR708709	BRAND® disposable BLAUBRAND® micropipettes, intraMark
Chloroform	Carlo Erba	412653	CAUTION. Chloroform RS - For HPLC - Isocratic grade - Stabilized with ethanol 2.5 L
Dry block heater	J.P. Selecta	7471200	
Dicloromethane	Carlo Erba	412622	CAUTION. Dichloromethane RS - For HPLC - Isocratic grade - Stabilized with amylene 2.5 L
Diethyl ether	Carlo Erba	412672	CAUTION. Diethyl ether RS - For HPLC - Isocratic grade - Not stabilized 2.5 L
Ethyl Acetate	Panreac	1313181211	CAUTION. Ethyl acetate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
Ethyl Alcohol Absolute	Carlo Erba	4146072	CAUTION. Ethanol absolute anhydrous RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP 1 L
Glass funnel	VidraFOC	DURA.2133148 1217/1	
Glass tube	VidraFOC	VFOC.45066A-16125	Glass tube with PTFE recovered cap
Methanol	Carlo Erba	412722	CAUTION. Methanol RS - For HPLC - GOLD - Ultragradient grade 2.5 L
Molybdatophosphoric acid hydrate	Merck	51429-74-4	CAUTION.
Molybdenum Blue Spray Reagent, 1.3%	Sigma	M1942-100ML	CAUTION.

n-hexane	Carlo Erba	446903	CAUTION. n-Hexane 99% RS - ATRASOL - For traces analysis 2.5 L
n-nitroso-n-methylurea	Sigma	N4766	CAUTION
Orbital shaking platform	DDBiolab	995018	NB-205L benchtop shaking incubator
Petroleum ether (60-80°C)	Carlo Erba	427003	CAUTION. Petroleum ether 60 - 80°C RPE - For analysis 2.5 L
Sprayer	VidraFOC	712/1	
Sodium sulphate anhydrous	Merck	238597	
Sulfuric acid 95-97%	Merck	1007311000	CAUTION. Sulfuric acid 95-97%
TLC chamber	Merck	Z204226-1EA	Rectangular TLC developing tanks, complete L × H × W 22 cm × 22 cm × 10 cm
TLC plate	Merck	1057210001	TLC SilicaGel 60- 20x20 cm x 25 u
TLC Plate Heater	CAMAG	223306	CAMAG TLC Plat Heater III
Toluene	Carlo Erba	488551	CAUTION. Toluene RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP 1 L
Vortex	Fisher Scientific	10132562	IKA Agitador IKA vórtex 3
1-naphthol	Sigma-Aldrich	102269427	CAUTION.