

Materials List for:

## Separation of Aldehydes and Reactive Ketones from Mixtures Using a Bisulfite Extraction Protocol

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### Materials

Name	Company	Catalog Number	Comments
sodium bisulfite	Fisher	AC419440010	1 kg
benzyl butyrate	Fisher	AAB2424130	250 g
anisaldehyde	Fisher	AC104801000	100 mL
magnesium sulfate	Fisher	M65-500	500 g
ethyl acetate	Fisher	E195-4	4 L
hexanes	Fisher	H292-4	4 L
methanol	Fisher	A456-1	1 L
dimethylformamide	Fisher	D119-1	1 L
citronellal	Fisher	AAL15753AE	100 mL
benzylacetone	Fisher	AC105832500	250 mL
deionized water	Fisher	BP28194	4 L
piperonal	Sigma-Aldrich	P49104-25G	25 G
sodium hydroxide	Fisher	S318-1	1 kg
separatory funnel with cap	Fisher	10-437-5B	125 mL
ring stand	Fisher	03-422-215	3 aluminum rods
ring clamp	Fisher	12-000-104	5 cm
cork ring	Fisher	07-835AA	8 cm outer dimension
round bottom flask	Fisher	31-501-107	100 mL
rotary evaporator with accessories	Fisher	05-000-461	cold trap condenser
bump trap 14/20 joint	Fisher	CG132201	14/20 joint
funnel	Fisher	05-555-6	organic solvent compatible
cotton	Fisher	22-456-881	non-sterile
glass pipets	Fisher	13-678-20A	borosilicate 5.75"
two 250 microliter syringes	Fisher	14-813-69	
4 erlenmeyer flasks	Fisher	10-040D	125 mL
fume hood	Fisher	13-118-370	
nitrile gloves	Fisher	19-149-863B	medium
safety goggles	Fisher	17-377-403	
spatula	Fisher	14-357Q	
balance	Fisher	01-912-403	120 g capacity