

Materials List for: Helminth Collection and Identification from Wildlife

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Materials

Name	Company	Catalog Number	Comments
Fixing			
Alcohol-Formalin-Acetic Acid (AFA)	Fisher Scientific	A407-1 (ethanol) F75F-1GAL (formaldehyde) BP2401500 (glacial acetic acid)	Ethanol 85% (85 ml) + formaldehyde 37% (10 ml) + glacial acetic acid (5 ml)
Ethanol for killing and long-term preservation	Fisher Scientific	A407-1	Ethanol 100% (70 ml) + distilled water (30 ml)
Ethanol for fixing and DNA studies	Fisher Scientific	AC61511-0010	Ethanol 80-90% (80-90 ml) + distilled water (20-10 ml), respectively
Formalin Buffered	Fisher Scientific	SF100-4	Formalin 10% (10 ml) + distilled water (90 ml)
Glycerine-alcohol	Fisher Scientific	A407-1 (ethanol) AC15365-1000 (glycerine)	Ethanol 70% (95 ml) + glycerine (5 ml)
Clearing, staining and mounting			
Ethanol for dehydrating during staining	Fisher Scientific	A407-1	Ethanol 80%, 95%, 100% (80 ml, 95 ml, 100 ml) + distilled water (20 ml, 5 ml, 0 ml)
Lactophenol	Fisher Scientific	R400-27	-
Phenol	Fisher Scientific	A9311-1 (phenol) A407-1 (ethanol)	Phenol 100% (80 ml) + ethanol 100% (20 ml)
Harris' Hematoxylin	Fisher Scientific	S25347 (hematoxylin) A407-1 (ethanol) A567-500 (ammonium aluminum sulfate) S25553 (sodium iodate)	Hematoxylin (5 g) + ethanol 100% (50 ml) + ammonium aluminum sulfate (100 g) + sodium iodate (0.37 g) + distilled water (1,000 ml)
Semichon's acetic carmine	Fisher Scientific	BP2401500 (glacial acetic acid) S25236 (carmine) A407-1 (ethanol)	Glacial acetic acid (100 ml) + carmine (1.5 g) + distilled water (100 ml). Heat in a boiling water bath for 15 min and cool. Filter to make stock solution. Mix 1:2 with 70% alcohol for staining.
Xylene	Fisher Scientific	X4-4	Use only under a chemical fume hood.
Methyl salicylate	Fisher Scientific	S25437	-
Ethanol basic	Fisher Scientific	A407-1 (ethanol) S25159A (concentrated ammonium hydroxide)	Ethanol 70% (100 ml) + ammonium hydroxide (0.1 ml)
Ethanol acid	Fisher Scientific	A407-1 (ethanol) SA9233-100 (hydrochloric acid)	Ethanol 70% (99.5 ml) + hydrochloric acid (0.5 ml)
Canada balsam	Fisher Scientific	B10-100	-