

Materials List for:

Chemical Isolation, Quantification, and Separation of Skin Lipids from Reptiles

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Materials

Name	Company	Catalog Number	Comments
Powder-free Chloroprene Gloves	Microflex	NEC-288	See "1.1 Shed Extraction set-up" (step 1.1.2 "gloves")
Ohaus Adventurer Precision Balance	Ohaus	AX622	See "1.1 Shed Extraction set-up" (step 1.1.3 "balance")
Freund Container Ball 16oz Mason Jar & Lid	Ball	NC9661590	See "1.1 Shed Extraction set-up" (step 1.1.5 "mason jar")
Hexane, Mixtures of Isomers	Sigma-Aldrich	650544	See "1.1 Shed Extraction set-up" (step 1.1.6 "hexane")
Hi/Lo Write-On Temperature Tape	Electron Microscopy Sciences	5029927	See "1.1 Shed Extraction set-up" (step 1.1.8 "tape")
Single-Neck Round-Bottom Flask, capacity 500 mL	Sigma-Aldrich	Z414514	See "2. Extraction" (step 2.1.2.4 "500 mL")
Single-Neck Round-Bottom Flask, capacity 100 mL	Sigma-Aldrich	Z414492	See "3.2 Fractionating" (step 3.2.4 "100 mL")
Cork Flask Support Ring	Sigma-Aldrich	Z512419	See "2. Extraction" (step 2.1.2.1 "cork support ring")
Accu-jet Pro Pipette Controller	Sigma-Aldrich	Z671533	See "2. Extraction" (step 2.1.1.3 "electric pipette controller")
Disposable Individually Wrapped Glass Serological Pipets, 10 mL	Pyrex	13-666-7E	See "2. Extraction" (step 2.1.1.3 "10 mL pipette")
Rotavapor R II	Buchi	2422A0	See "2. Extraction" (step 2.1.2.1 "rotary evaporator")
Elliptical Bump Trap	Chemglass Life Science	501215241	See "2. Extraction" (step 2.1.2.1 "bump trap")
7 mL Vials, Screw Top, Clear Glass	Supelco	27151	See "1.1 Shed Extraction set-up" (step 1.1.11 "7 mL vial")
7 mL Vial Screw Cap, Solid Top with PTFE Liner	Supelco	27152	See "1.1 Shed Extraction set-up" (step 1.1.11 "cap")
22 mL Vials, Screw Top, Clear Glass	Supelco	27173	See "1.1 Shed Extraction set-up" (step 1.1.11 "22 mL vial")
22 mL Vial Screw Cap, Solid Top with PTFE Liner	Supelco	27174-U	See "1.1 Shed Extraction set-up" (step 1.1.11 "cap")
Excellence XS Analytical Balance	Mettler-Toledo	XS205DU	See "2. Extraction" (step 2.1.2.1 "balance")
5 3/4" Disposable Glass Pipette	Fisherbrand	NC0418555	See "1.1 Shed Extraction set-up" (step 1.1.11 "pipette")
Chromatography column with PTFE Stopcock Assembly	Kimble-Chase	17810-19300	See "3.1 Preparing the column" (step 3.1.1 "small glass column")

Cast-Iron L-Shaped Base Support Stands	Fischerbrand	11474207	See "3.1 Preparing the column" (step 3.1.1 "support stand")
3-Prong Dual Adjust Nickel-Plated Zinc Clamp	Troemner	2300203	See "3.1 Preparing the column" (step 3.1.1 "clamps")
Clamp Regular Holder	Fischerbrand	05754Q	See "3.1 Preparing the column" (step 3.1.1 "clamp holder")
Sand, Washed and Dried	Macron Fine Chemical	MK-7062-212	See "3.1 Preparing the column" (step 3.1.5 "sand")
Alumina, Neutral	Sorbtech	15740-5	See "3.1 Preparing the column" (step 3.1.7 "alumina"); only known manufacturer in the US
Narrow-Neck Heavy-Duty Glass Erlenmeyer Flask, 1000mL	Pyrex	4980-1L	See "3.1 Preparing the column" (step 3.1.6 "Erlenmeyer flask")
Single-Neck Round-Bottom Flask, capacity 250 mL	Sigma-Aldrich	Z100684	See "3.1 Preparing the column" (step 3.2.4 "250 mL round bottom flask")
Calibrated Chromatography Column with Solvent Reservoir	Sigma-Aldrich	Z560553	See "3.2 Preparing the column" (step 3.2.1 "large glass column")
Ethyl Ether Anhydrous	Fisher Chemical	E138500	See "3.2 Fractionating" (step 3.2.5 "ether")
Alconox Detergent	Sigma-Aldrich	242985	See "4. Cleaning" (step 4.2 "Alconox")
Acetone (Certified ACS)	Fisher Chemical	A18P-4	See "4. Cleaning" (step 4.4 "acetone")