

Materials List for

Deploying Community Scientists to Conduct Nondestructive Genetic Sampling of Rare Butterfly Populations

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jove.com/video/63416

Materials

Name	Company	Catalog Number	Comments
14 quart Igloo Playmate Cooler	Amazon	NA	portable cooler Amount per deployable unit: 1 cooler
250 DNeasy Mini Spin Columns, Proteinase K, Buffers, Collection Tubes (2 mL)	Qiagen	69506	Qiagen DNeasy Blood & Tissue Kit Amount per deployable unit: NA
Andwin Scientific Supplier Diversity Partner LAB MARKERS BLACK	FisherSci	NC9280166	ethanol proof lab marker Amount per deployable unit: 2 markers
Cardboard shipping box			shipping box Amount per deployable unit: as needed
Eisco Polyethylene Wash Bottles, LDPE	FisherSci	S14091	lab grade spray or squirt bottle (for ethanol or alcohol) Amount per deployable unit: 1 bottle
FedEx U.S. express airbill	FedEx	NA	shipping return label Amount per deployable unit: 2 labels
Fisherbrand Premium Microcentrifuge Tubes: 1.5 mL	FisherSci	NC9386261	sterile 1.5 mL microcentrifuge tubes Amount per deployable unit: 128 tubes
Forceps, #4a, very fine yet extra strong tips (33 mm), 4-3/8" (111 mm) long	Bioquip	4523	straight tip forceps Amount per deployable unit: 2 straight forceps
Forceps, #7, curved tips (13 mm), very fine points, 4-1/2" (114 mm) long	Bioquip	4527	curved tip forceps Amount per deployable unit: 2 curved forceps
Kimberly-Clark Professional Kimtech Science Kimwipes Delicate Task Wipers, 1-Ply	FisherSci	06-666A	kimwipes (or other sterile wipe) Amount per deployable unit: 1 box
Laminated Illustrated field collection protocol	NA	NA	abbreviated protocol Amount per deployable unit: 1 protocol
Laminated list of materials	NA	NA	supply list

			Amount per deployable unit: 1 list
Lily Sugar 'N Cream The Original Solid Yarn, 2.5 oz, Medium 4 Gauge, 100% Cotton - Hot Pink - Machine Wash & Dry	Amazon	NA	pink yarn (to secure to forceps for visibility) Amount per deployable unit: 2 yards
Loupe by Bausch & Lomb, 10x Coddington Magnifier	Amazon	NA	hand lens Amount per deployable unit: 2 hand lenses
MyGift Clear Plastic 2-Tier Trays Craft Supply Storage Box/First Aid Carrying Case w/Top Handle & Latch Lock	Amazon	NA	supply storage box Amount per deployable unit: 1 box
Nitrile, Disposable Gloves, L, Powder-Free, 2.8 mil Palm Thickness	Grainger	60NU14	nitrile lab gloves (large) Amount per deployable unit: 1 box
Nitrile, Disposable Gloves, M, Powder-Free, 2.8 mil Palm Thickness	Grainger	60NU13	nitrile lab gloves (medium) Amount per deployable unit: 1 box
Qiagen, Inc. BUFFER ATL (200 ML)	Qiagen	19076	Qiagen ATL lysis buffer Amount per deployable unit: 180 µl/tube; 128 tubes
Rite In The Rain Weatherproof Side Spiral Notebook, Yellow Cover, Universal Page Pattern (No. 373-MX), 11 x 8.75 x 0.5	Amazon	NA	weatherproof field notebook Amount per deployable unit: 1 notebook
Showgard Professional Stamp Tongs 6" 904 Round Tip Tweezers	Amazon	NA	6" spade tip forceps Amount per deployable unit: 2 long spade forceps
Texwipe PolySat Pre-Wetted Wipers	FisherSci	18-366-231	alcohol wipes Amount per deployable unit: 100 wipes
Thermo Scientific CryoBoxes	FisherSci	12-565-227	64 well microcentrifuge tubes collection/storage boxes Amount per deployable unit: 2 boxes
			packing material Amount per deployable unit: as needed