

Materials List for:

Transmitting Plant Viruses Using Whiteflies

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URL: <https://www.jove.com/video/4332>

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Materials

Name	Company	Catalog Number	Comments
Name of the Item	Company	Catalogue No.	Comments (optional)
Whitefly proof screening	Klayman Meteor Ltd. Petah Tikva 49130, Israel	---	BioNet 50 mesh screen Antivirus Insect Screen
Whitefly proof screening	Hummert International (www.hummert.com)	27-4050-1 - 27-4062-1	BioNet 50 mesh screen Antivirus Insect Screen
Whitefly Collection Devices	BioQuip	1135A	Can also be made using eye droppers, flexible plastic tubing, plastic vacuum adaptors, and cheesecloth
Collection vials	BioQuip	8909	Vials used depend on which aspirator is used.
Yellow plastic cards	any company	---	Any bright yellow plastic card will work, can be purchased in many places.
Whitefly Cages	---	---	These are not commercially available and must be constructed. 60 cm x 60 cm x 60 cm cages work well for us. Our preference is for those constructed of aluminum window screening, nylon organdy, vinyl plastic, with a structure created using aluminum window frames. Doors are attached using piano hinges and sealed with weather stripping; tops of the cages are vinyl plastic. Cages can also be made of 1) plexiglass glued together on the edges with ventilation provided by screened openings cut on the side pieces; 2) large bags of nylon organdy, organza, or 50 mesh whitefly screening with internal supports provided by PVC pipes and fittings cut to desired lengths and assembled inside the bags, 3) wood frames and nylon organdy, organza, or 50 mesh whitefly screening.