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# Bottle Bioassay Kit Request – Please send request to USBottleAssayKit@CDC.Gov

Shipping Information

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| Name: |  |  |  | Date: |  | |
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| Institution: |  | | | | |
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| --- | --- | --- |
| Address: |  |  |
|  | Street Address | Suite # |

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| --- | --- | --- | --- |
|  |  |  |  |
|  | City | State | ZIP Code |

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| Phone: |  | Email |  |

## Materials and Reagents

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| Technical grade insecticides available for testing: |

Chlorpyrifos  Deltamethrin  Etofenprox  Fenthion

Malathion  Naled  Permethrin  Prallethrin

Pyrethrum  Sumethrin  Bifenthrin  Other:

Enzyme inhibitors available for determining metabolic resistance mechanism(s):

Piperonyl butoxide (PBO), inhibits oxidase activity

S.S.S-tributylphosphorotrithioate (DEF), inhibits esterase activity

Diethyl maleate (DM), inhibits glutathione transferase activity

Materials needed:

Aspirator

250-ml Wheaton bottles with lids

Graduated disposable plastic pipettes

All of the above

**Note:** Each CDC bottle bioassay kit comes with 15 250-ml Wheaton bottles, a standard mouth aspirator, disposable pipettes, lab mat, 50-ml conical tube holder, safety data sheets for insecticides/synergists requested, CONUS CDC bottle bioassay protocol, 50-ml conical tube for measuring acetone, 50-ml amber conical tubes for stock solutions, and requested insecticides/synergists. The institution requesting the kit must provide timers, permanent markers for labeling bottles, tape for labeling bottles, acetone, pens, data sheets, and PPE. Use safety procedures as recommended by your institution when handling insecticides (e.g. gloves, laboratory coat, safety glasses).

## Results

Are you willing to share your results?  Yes  No

If “yes”, please report data to CDC MosquitoNET, <https://wwwn.cdc.gov/Arbonet/MosquitoNET/>

## Comments

If you have any questions or suggestions, please contact Janet McAllister, [jvm6@cdc.gov](mailto:jvm6@cdc.gov), or Cassie Scott, [gni6@cdc.gov](mailto:gni6@cdc.gov)