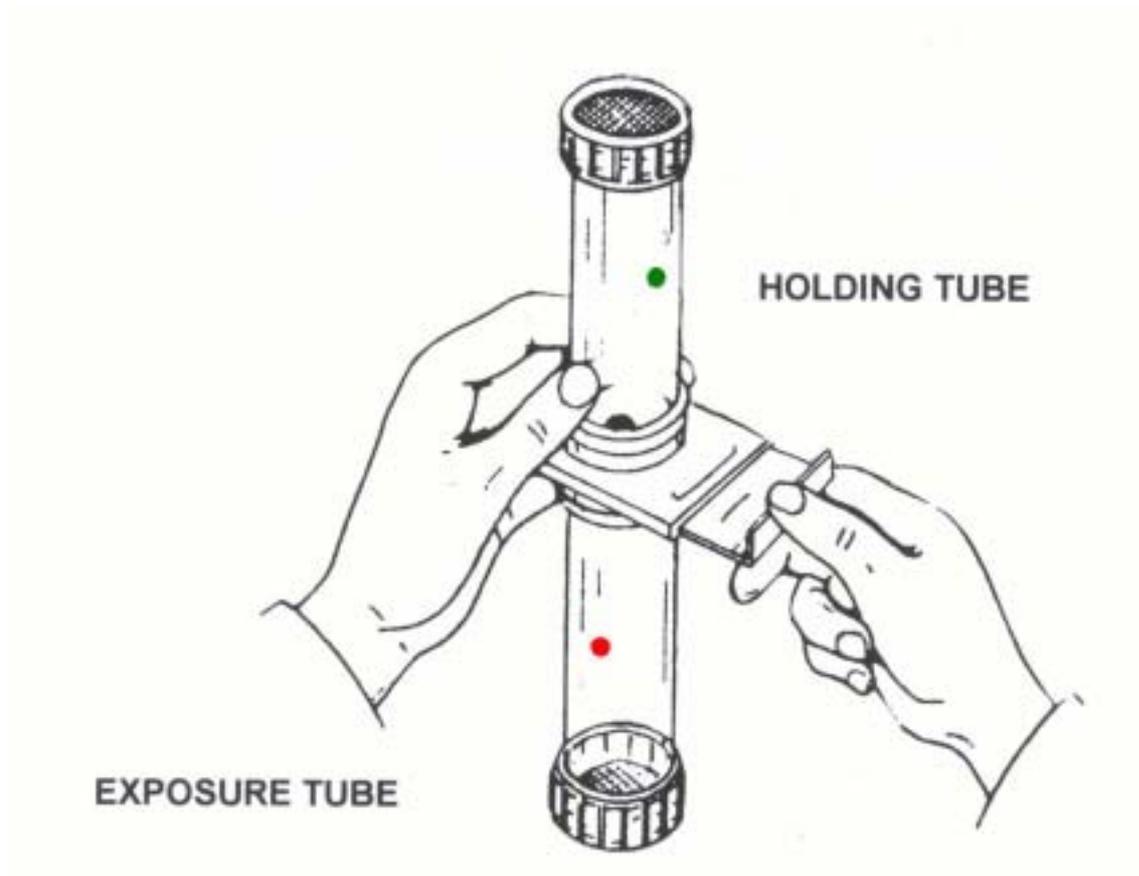




SUPPLIES FOR MONITORING INSECTICIDE RESISTANCE IN DISEASE VECTORS

Procedures and conditions



Included in this document

Forms to be used when ordering any items(s):
WHO.USM/00.1: requisition form
WHO.USM/00.2a and WHO.USM/00.2b: list of items

INSECTICIDE RESISTANCE MONITORING IN DISEASE VECTORS

Procedures and conditions for supply of test kits

Test kits will be supplied/dispatched from Universiti Sains Malaysia (USM), Penang, Malaysia, a WHO Collaborating Centre.

1. Requests

Requests should be made directly to the Coordinator, Vector Control Research Unit, School of Biological Sciences, Universiti Sains Malaysia (Attn: Associate Professor Dr Zairi Jaal, Tel: 604-6574776; Fax: 604-6577200; e-mail: zairi@usm.my).

Requests, where the costs of items are to be met through WHO allotments, must be sent through the relevant WHO Country Representatives (WR), or WHO Regional Offices or the respective units at WHO Headquarters.

All requests must be accompanied by a copy of form WHO.USM/00.1 (enclosed) in which all relevant information should be filled to avoid unnecessary delays in responding to requests.

Insecticide impregnated papers and adult mosquito testing material (most in demand) should be requested in form WHO.USM/00.2a (enclosed), which is based on information extracted from this catalogue.

Material for testing mosquito larvae, other disease vectors, and pests may be requested on form WHO/USM/00.2b (enclosed).

To assist USM/WHO collaborating centre in its operations, and to avoid last minute responses and unnecessary follow up, it would be appreciated if the supply requirements are planned and requested sufficiently in advance, the necessary forms properly filled and specified procedures followed.

2. Proforma invoice

On receipt of requests, preferably by e-mail, USM will send an e-mail, fax or regular mail proforma invoices covering, the cost of items and dispatch charges.

3. Dispatches and notification

Items requested will be dispatched only on receipt of payments to the USM Bank account specified under 5.

Dispatches in response to requests received through WHO (Country Representatives, Regional Offices or Headquarters where the costs are to be met through WHO allotments) will however be made without waiting for payment, **provided the allotment and sticker numbers are indicated.**

Unless not specified, items will be dispatched by express mail cargobox (Federal Express, DHL, ...) so that they will be received within a few days only directly to the mentioned address.

4. Costing

All materials will be charged according to the prices given in the Catalogue. The cost of transport (express mail, air freight and insurance/courier/mail) depends on the items, destination and mode of transport requested under item 8 (WHO.USM/00.1). If item 8 is not indicated, we will dispatch the items on the most convenient route available, preferably by express mail.

Costing of items and payment will be made in US Dollars.

5. Instructions for Payment

By **Cheque/Bankdraft:**

Cheque/bankdraft must be made payable to
“**BURSAR, UNIVERSITI SAINS MALAYSIA**”
to be sent to:

The Coordinator
Vector Control Research Unit
School of Biological Sciences
Universiti Sains Malaysia
11800 Minden, Penang, MALAYSIA

or By **telegraphic transfer** to

Name of Account: Universiti Sains Malaysia
Current Account No (Collection):
207130-00001079
Name of Bank: RHB Bank Berhad
Sungai Dua Branch
4H & 4J Desa Universiti
Commercial Complex
Jalan Sungai Dua
11700 Gelugor
Pulau Pinang
Malaysia

Please send us a copy of your advice slip so that we can ensure that payment received is credited to the proper account.

All payments (either by cheque/bankdraft or telegraphic transfer) must indicate our reference number (*WHO/VCRU.../2000*). Please specify that payment is for the **Vector Control Research Unit**, School of Biological Sciences, Universiti Sains Malaysia, for the purchase of **WHO Test Kits**. This is necessary to ensure that payment received is credited into the proper account.

Global Programme for Resistance Monitoring and Management
Parasitic Diseases and Vector Control (PVC)
Communicable Disease Control, Prevention and Eradication (CPE)
World Health Organization
1211 Geneva 27
Switzerland

Vector Control Research Unit
School of Biological Sciences
11800 Minden, Penang
Malaysia
Tel: 604-6574776
Fax: 604-6577200

SUPPLIES FOR INSECTICIDE RESISTANCE MONITORING
Requisition form

- 1. Requester's reference _____ 2. WHO/VCRU reference _____
- Date of request _____ Date received _____
- 3. Country _____ WHO Region _____

- 4. Requested by:
- Name _____
- Address _____
- _____
- _____
- (Please include street name, city, zipcode and country)
- Tel _____ Fax _____

- 5. Supplies to be sent to:
- Name _____
- Address _____
- _____
- _____
- (Please include street name, city, zipcode and country)
- Tel _____ Fax _____

Name of nearest international airport _____

- 6. Invoice to be sent to:
- Name _____
- Address _____
- _____
- _____
- (Please include street name, city, zipcode and country)
- Tel _____ Fax _____

- 7. For WHO requisitions only
- Allotment No _____ Sticker/Obligation No _____

- 8. Items to be dispatched by (please tick)
- Express cargo box Air freight Post parcel Others _____
- please specify*

Your ref: _____
WHO.USM/00.2a
 WHO/VCRU Ref: _____
to be filled by USM

| | Item | Cost per unit (US\$) | Quantity | Total cost (US\$) |
|---|---|----------------------|----------|-------------------|
| A. Insecticide impregnated papers (boxes) - each box with 8 papers | | | | |
| 1. | DDT 4.0% | 12.00 | | |
| 2. | Dieldrin 0.4%, 4.0% | 12.00 | | |
| 3. | Control in Risella oil (OC control) | 12.00 | | |
| 4. | Malathion 5.0% | 18.00 | | |
| 5. | Fenitrothion 1.0% | 18.00 | | |
| 6. | Propoxur 0.1% | 18.00 | | |
| 7. | Bendiocarb 0.1% | 18.00 | | |
| 8. | Control in olive oil (OP/C control) | 18.00 | | |
| 9. | Permethrin 0.75% | 18.00 | | |
| 10. | Deltamethrin 0.05% | 18.00 | | |
| 11. | Lambdacyhalothrin 0.05% | 18.00 | | |
| 12. | Cyfluthrin 0.15% | 18.00 | | |
| 13. | Etofenprox 0.5% | 18.00 | | |
| 14. | Control in silicone oil (PY control) | 18.00 | | |
| B. Other items | | | | |
| 15. | Adult mosquito (diagnostic) test kit (WHO/VBC/81.806)** | 42.00 | | |
| 16. | Adult mosquito (base-line) test kit (WHO/VBC/81.807)** | 60.00 | | |
| 17. | Bioassay kit (VBC/81.5)** | 42.00 | | |
| 18. | Aspirators (straight)* | 3.00 | | |
| 19. | Aspirators (bent)* | 5.00 | | |
| 20. | Bioassay cones (conical chamber) | 0.60 | | |
| 21. | Test tube for adult mosquitos - 1 tube with red dot (exposure), 1 tube with green dot (holding) and 1 slide | 8.00 | | |
| 22. | Metal clip (copper) - exposure tube | 0.50 | | |
| 23. | Metal clip (silver) - holding tube | 0.50 | | |
| TOTAL COST OF ITEMS | | | | |

Notes: * 18. 1 straight plastic tube, 1 plastic tubing, 1 mouthpiece for WHO test tubes.
 19. 1 bent glass tube, 1 rubber tubing, 1 mouthpiece for conical chamber.
 21. Plastic tubes comprising: 1 tube with red dot (exposure), 1 tube with green dot (holding), 1 slide.

** See detailed content in annex.

| | Item | Cost per kit (US\$) | Quantity | Total cost (US\$) |
|--|--|---------------------|----------|-------------------|
| C. Other test kits available: | | | | |
| 24. | Bed-bugs WHO/VBC/81.809 | 57.20 | | |
| 25. | Blackflies (Adult), Sandflies & Biting Midges WHO/VBC/81.810 | 90.40 | | |
| 26. | Blackflies (larvae) WHO/VBC/81.811 | 27.10 | | |
| 27. | Cockroaches WHO/VBC/75.593 | 30.00 | | |
| 28. | Dichlorvos & Other Persistent Fumigants WHO/VBC/75.594 | 75.30 | | |
| 29. | Fleas WHO/VBC/81.815 | 90.40 | | |
| 30. | Houseflies, Tsetse Flies, Stableflies, Blowflies, etc. WHO/VBC/81.813 | 45.20 | | |
| 31. | Lice (Body and Head) WHO/VBC/81.808 | 4.00 | | |
| 32. | Mosquitos (Larvae) WHO/VBC/81.807 | 33.00 | | |
| 33. | Mosquitos (Larvae resistance to development inhibitors) WHO/VBC/81.812 | 59.00 | | |
| 34. | Reduviid Bugs WHO/VBC/75.587 | 39.20 | | |
| 35. | Rodents WHO/VBC/82.843 | 59.00 | | |
| 36. | Ticks (Adult) WHO/VBC/81.814 | 72.30 | | |
| D. Other Insecticide Papers*/Solutions (please indicate target insects and concentrations required) | | | | |
| 37. | | | | |
| 38. | | | | |
| 39. | | | | |
| 40. | | | | |
| 41. | | | | |
| 42. | | | | |
| 43. | | | | |
| 44. | | | | |
| 45. | | | | |
| 46. | | | | |
| 47. | | | | |
| 48. | | | | |
| 49. | | | | |
| 50. | | | | |

| | | |
|--|----------------------------|--|
| | TOTAL COST OF ITEMS | |
|--|----------------------------|--|

** For concentrations not already listed here, there must be a minimum order of 10 boxes per concentration.*

**CATALOGUE OF TEST KIT MATERIALS FOR DETERMINING
THE SUSCEPTIBILITY OF VECTORS TO PESTICIDES**

**PRICE LIST No. 3 (APRIL 2000)
IMPORTANT**

- Note 1.** Equipment and/or insecticides may be ordered separately. Dichlorvos, other persistent fumigants and rodent kits are, however, only issued complete. The order should specify the concentrations and the number of boxes, or sets of boxes, solutions or sets of solutions. The prices shown in the list do not include the cost of despatch.
- Note 2.** Solutions containing volatile solvents are air freighted and in accordance with air transport regulations; the maximum volume of solvents allowed per parcel is 5 litres (i.e. 100 x 50 ml bottles).
- Note 3.** All orders should include the price in US Dollars. Our invoice will be drawn up according to current rate of exchange for the current month of the dispatch.

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| 1 | Mosquitos (Adult) Diagnostic | WHO/VBC/81.806 | 2 |
| 2 | Mosquitos (Adult) Base-Line | WHO/VBC/81.805 | 2 |
| 3 | Mosquitos (Larvae) | WHO/VBC/81.807 | 3 |
| 4 | Mosquitos (Larvae Resistance To Development Inhibitors) | WHO/VBC/81.812 | 5 |
| 5 | Test Kit For Bioassay On Wall Surface | VBC/81.5 | 1 |
| 6 | Dichlorvos & Other Persistent Fumigants | WHO/VBC/75.594 | 1 |
| 7 | Houseflies, Tsetse Flies, Stableflies, Blowflies, Etc. | WHO/VBC/81.813 | 6 |
| 8 | Reduviid Bugs | WHO/VBC/75.587 | 1 |
| 9 | Bed-Bugs (Adult) | WHO/VBC/81.809 | 4 |
| 10 | Blackflies (Adult), Sandflies & Biting Midges | WHO/VBC/81.810 | 4 |
| 11 | Blackflies (Larvae) | WHO/VBC/81.811 | 5 |
| 12 | Cockroaches | WHO/VBC/75.593 | 1 |
| 13 | Lice (Body And Head) | WHO/VBC/81.808 | 3 |
| 14 | Fleas | WHO/VBC/81.815 | 7 |
| 15 | Ticks (Adult) | WHO/VBC/81.814 | 7 |
| 16 | Rodents | WHO/VBC/82.843 | 7 |

MOSQUITOS (ADULT) DIAGNOSTIC TEST (WHO/VBC/81.806)**Equipment** (as described below)**Price per kit US\$ 42.00**

2 plastic tubes with red dot; 6 plastic tubes with green dot; 4 slide units; 20 sheet of white papers, 15 x 12 cm; 6 clips (silver); 2 clips (copper); 2 tube aspirators, straight; 2 plastic tubings, 60 cm; 2 mouthpieces; 1 roll of scotch adhesive tape; 1 instruction sheet WHO/VBC/81.806; 1 document WHO/VBC/81.6 criteria; 20 report forms; 3 log probability papers; 1 label.

Insecticide impregnated papers

| | US\$ per box | | US\$ per box |
|--|---------------------|--------------------------------------|---------------------|
| DDT 4% | 12.00 | Control in olive oil (OP/C control) | 18.00 |
| Dieldrin 0.4% | 12.00 | Permethrin 0.75% | 18.00 |
| Dieldrin 4% | 12.00 | Deltamethrin 0.05% | 18.00 |
| Control in Risella oil (OC control) | 12.00 | Lambdacyhalothrin 0.05% | 18.00 |
| Malathion 5% | 18.00 | Cyfluthrin 0.15% | 18.00 |
| Fenithrothion 1% | 18.00 | Etofenprox 0.5% | 18.00 |
| Propoxur 0.1% | 18.00 | Control in silicone oil (PY control) | 18.00 |
| Bendiocarb 0.1% | 18.00 | | |

* Other concentrations available on request (US\$ per box)

** Special instructions for pirimiphos-methyl. Please contact USM through e-mail or facsimile.

MOSQUITOS (ADULT) ESTABLISHMENT OF THE BASE-LINE (WHO/VBC/81.805)**Equipment** (as described below)**Price per kit US\$ 60.00**

5 plastic tubes with red dot; 7 plastic tubes with green dot; 6 slide units; 40 sheet of white paper, 15 x 12 cm; 7 clips (silver); 5 clips (copper); 2 tube aspirators, straight; 2 plastic tubings, 60 cm; 2 mouthpieces; 1 roll of scotch adhesive tape; 1 instruction sheet WHO/VBC/81.805; 1 document WHO/VBC/81.6 criteria; 20 report forms; 3 log probability papers; 1 label.

Insecticide impregnated papers

| | US\$ per box | | US\$ per box |
|--|---------------------|---|---------------------|
| DDT 0.25% | 12.00 | Malathion 5% | 18.00 |
| DDT 0.5% | 12.00 | Fenithrothion 1% | 18.00 |
| DDT 1% | 12.00 | Propoxur 0.1% | 18.00 |
| DDT 2% | 12.00 | Bendiocarb 0.1% | 18.00 |
| DDT 4% | 12.00 | Control in olive oil | 18.00 |
| Dieldrin 0.05% | 12.00 | Permethrin 0.75% | 18.00 |
| Dieldrin 0.1% | 12.00 | Deltamethrin 0.05% | 18.00 |
| Dieldrin 0.2% | 12.00 | Lambdacyhalothrin 0.05% | 18.00 |
| Dieldrin 0.4% | 12.00 | Cyfluthrin 0.15% | 18.00 |
| Dieldrin 0.8% | 12.00 | Etofenprox 0.5% | 18.00 |
| Dieldrin 4% | 12.00 | Control in silicone oil (PY control) | 18.00 |
| Control in Risella oil (OC control) | 12.00 | | |

* Other concentrations available on request (US\$ per box)

** Special instructions for pirimiphos-methyl. Please contact USM through e-mail or facsimile.

MOSQUITO (LARVAE) (WHO/VBC/81.807)**Equipment** (as described below)**Price per kit US\$ 33.00**

1 pipette 1 ml, white marking; 1 pipette 1 ml, red marking; 1 pipette 1 ml, yellow marking; 1 pipette 1 ml, black marking; 1 pipette 1 ml, without marking; 5 rubber suction bulbs for above; 3 pipettes (eye dropper); 3 bulbs for eye dropper; 2 wire loops; 1 nylon netting (30 cm²); 1 rubber cement; 1 polyethylene bottle, 50 ml; 1 instruction sheet WHO/VBC/81.807; 20 report forms; 3 log probability papers; 1 label.

Insecticide solutions (in 50 ml bottle)**US\$ per bottle**

| | |
|---|------|
| malathion 781.25mg/1, 156.25mg/1, 31.25mg/1, 6.25mg/1 | 2.70 |
| temephos 156.25mg/1, 31.25mg/1, 6.25mg/1, 1.25mg/1 | 2.70 |
| bromophos 31.25mg/1, 6.25ag/1, 1.25mg/1, 0.25mg/1 | 2.70 |
| fenitrothion 31.25mg/1, 6.25mg/1, 1.25mg/1, 0.25mg/1 | 2.70 |
| fenthion 31.25mg/1, 6.25mg/1, 1.25mg/1, 0.25mg/1 | 2.70 |
| chlorpyrifos 6.25mg/1, 1.25mg/1, 0.25mg/1, 0.05mg/1 | 2.70 |

Note: The alcohol used for these solutions and for the control has been denatured by the addition of 2% butanone.

| | |
|----------------------|------|
| Control alcohol only | 2.40 |
|----------------------|------|

Complete Test Kit Sets**US\$**

| | |
|---|-------|
| including equipment + 1 complete set of solutions + control | 46.40 |
| 2 complete sets of solutions + control | 59.70 |
| 3 complete sets of solutions + control | 72.90 |
| 4 complete acts of solutions + control | 86.20 |

(Maximum allowed per kit: four complete sets of solutions)

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (SHIPMENT)

MOSQUITO LARVAE RESISTANCE TO INSECT DEVELOPMENT INHIBITORS (WHO/VBC/81.812)**Equipment** (as described below)**Price per kit US\$ 27.10**

1 pipette 1 ml, white marking; 1 pipette 1 ml, red marking; 1 pipette 1 ml, yellow marking; 3 rubber suction bulbs for above; 3 pipettes (eye dropper); 3 bulbs for eye dropper; 2 wire loops; 1 nylon netting (30 cm); 1 rubber cement; 1 instruction sheet WHO/VBC/81.812; 10 report forms; 3 log probability papers; 1 label.

Insecticide solutions (in 50 ml bottle)**US\$ per bottle**

| | |
|---|------|
| methoprene 20mg/1, 4mg/1, 0.8mg/1, 0.16mg/1, 0.032mg/1 | 2.70 |
| diflubenzuron 20mg/1, 4mg/1, 0.8mg/1, 0.16mg/1, 0.032mg/1 | 2.70 |

Note: The alcohol used for these solutions and for the control has been denatured by the addition of 2% butanone.

| | |
|----------------------|------|
| Control alcohol only | 2.40 |
|----------------------|------|

Complete Test Kit SetComplete Test Kit (including one complete set of each insecticide and control) **US\$ 59.00**

VOLATILE SOLVENT, SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

5

TEST KIT FOR BIOASSAYS ON WALL SURFACES (VBC/81.5)**Equipment** (as described below)**Price per kit US\$ 41.60**

24 conical chambers; 4 glass aspirator tubes (bent); 4 rubber tubings (60 cm); 4 mouth pieces for rubber tubing; 2 sponge tapes (10 m, 10 mm x 3 mm); 40 upholstery tacks (large head); 2 adhesive tapes (leather), imit cloth, 1 red, 1 green; 1 instruction sheet WHO/VBC/81.5; 1 label.

6

DICHLORVOS AND OTHER PERSISTENT FUMIGANTS (WHO/VBC/75.594)**Equipment** (as described below)**Price per kit US\$ 75.30**

1 roll of aluminium foil, 30 x 30 cm; 10 nylon net cages 3 cm x 15 cm; 1 reel of cotton thread; 1 sewing needle; 10 staples; 1 roll of scotch adhesive tape; 1 forceps, straight; 1 package of 100 filters paper; 1 bottle 50 ml dichlorvos solution (16% m/v) in dioctyl phthalate (DOP); 2 50 ml methyl ethyl ketone (MEK); 2 50 ml MEK/DOP mixture 39:1; 2 1 ml graduated pipette (0.01 ml graduation); 2 rubber bulbs for above; 4 5 ml pipettes, graduated; 2 50 ml bottles with screw caps; 6 10 ml vials with screw caps; 3 10 ccm micropipettes; 3 rubber tubings with mouthpieces for micro-pipettes; 2 plastic tubings; 2 mouth pieces; 2 aspirator tubes, straight; 1 instruction sheet WHO/VBC/75.594; 10 report forms; 3 log probability papers; 1 label.

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

7

HOUSEFLIES, TSETSE FLIES, STABLEFLIES, BLOWFLIES, ETC.*(WHO/VBC/81.813)***Equipment** (as described below)**Price per kit US\$ 45.20**

60 paper cups; 60 nylon netting 15 cm²; 60 rubber bands; 2 2ml plastic syringes; 2 10ml plastic syringes; 4 needles; 1 microcap pipette; 10 capillary tubes 1 m litre; 1 tube for capillary tube; 1 roll of aluminium foil, 30 m x 30 cm; 1 instruction sheet WHO/VBC/81.813; 20 report forms; 3 log probability papers; 1 label.

***Supplementary equipment for each insecticide purchased**

4 10 ml vials with caps; 1 50 ml glass bottle of butanone (MEK), only bottle; 1 microcap pipette; 3 capillary tubes, 1 m litre; 1 tube for capillary tubes.

Insecticide in butanone (in 50 ml glass bottle)

DDT 4%, lindane 2%, malathion 8%, fenclorophos 2%, bromophos 2%, carbaryl 5%, diazinon 1%, dieldrin 1%, propoxur 16%, tetrachlorvinphos 2%, dichlorvos 0.5%, dimethoate 0.5%, fenthion 1%, endosulfan 1.5%, trichlorfon 5%, permethrin 0.5%, deltamethrin 0.05%

US\$ per bottle 2.70

Control butanone only

US\$ per bottle 2.40

Complete Test Kit Sets

Test Kit including complementary equipment (the composition of the complementary equipment depends on the number of insecticides requested)

| | US\$ |
|---------------------------|--------|
| 1 insecticide + control | 54.20 |
| 2 insecticides + control | 63.30 |
| 3 insecticides + control | 72.30 |
| 4 insecticides + control | 81.30 |
| 5 insecticides + control | 90.40 |
| 6 insecticides + control | 99.40 |
| 7 insecticides + control | 108.50 |
| 8 insecticides + control | 117.50 |
| 9 insecticides + control | 126.50 |
| 10 insecticides + control | 135.60 |

(Maximum allowed per kit: ten)

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

8

REDUVID BUGS (WHO/VBC/75.587)

Equipment (as described below)

Price per kit US\$ 39.20

6 glass test tubes, 15 cm l, diam int 24 mm; 1 test tube rack, 160 x 100 x 90 mm; 1 black foam plastic mat for above, 160 x 100 x 4 mm; 15 nylon nettings, 7 cm²; 25 rubber bands; 1 forceps, flexible; 1 forceps, normal; 1 holding container ½ kg, made of glass with cover; 1 roll scotch adhesive tape; 1 instruction sheet WHO/VBC/75.587; 20 report forms; 3 log probability papers; 1 label; 40 sheet clean white papers 15 x 12 cm.

Insecticide solutions

| | US\$ |
|-------------------------------------|-------|
| Dieldrin 0.4%, 0.8%, 1.6%, 4% | 12.00 |
| Control in Risella oil (OC control) | 12.00 |

9

ADULT BED-BUGS (WHO/VBC/81.809)

Equipment (as described below)

Price per kit US\$ 57.20

24 glass test tubes, 17 cm diam x 16 mm int; 1 test tube rack for 24 tubes 15 x 10 x 9 cm; 1 black foam plastic mat, 10 x 15 x 0.4 cm; 30 nylon nettings, 5 cm²; 50 rubber bands; 1 nylon brush; 1 forceps, straight; 2 fine paint brushes; 1 holding container; 4 pill boxes with net covering; 1 roll scotch adhesive tape; 40 sheet of white papers, 15 x 12 cm; 1 instruction sheet WHO/VBC/ 81.809; 20 report forms; 3 log probability papers; 1 label.

Insecticide impregnated papers

| | US\$ | | US\$ |
|-------------------------------------|-------|--------------------------------------|-------|
| DDT 4% | 12.00 | Fenitrothion 1% | 18.00 |
| Dieldrin 0.8% | 12.00 | Permethrin 0.75% | 18.00 |
| Control in Risella oil (OC control) | 12.00 | Deltamethrin 0.05% | 18.00 |
| Malathion 5% | 18.00 | Control in silicone oil (PY control) | 18.00 |

On special request, with delivery time of at least two months; papers impregnated with insecticides listed below can be supplied for research purposes. However, for such request, there must be a minimum order of 10 boxes per concentration.

| | | | |
|---------------|-------|----------------|-------|
| Propoxur 0.8% | 18.00 | Trichlorfon 1% | 18.00 |
|---------------|-------|----------------|-------|

10

ADULT BLACKFLIES, SANDFLIES AND BITING MIDGES (WHO/VBC/81.810)

Equipment (as described below)

Price per kit US\$ 90.40

8 plastic tubes with red dot; 12 plastic tubes with green dot; 10 slide units; 20 discs, fine mesh nylon netting, diam 52 mm; 40 sheet of white papers, 15 x 12 cm; 42 clips (silver); 24 clips (copper); 2 tube aspirators, straight; 2 plastic tubings, 60 cm; 2 mouthpieces; 1 roll of scotch adhesive tape; 1 instruction sheet WHO/VBC/81.810; 20 report forms; 3 log probability papers; 1 label.

Insecticide impregnated papers

| | US\$ | | US\$ |
|----------------|-------|-------------------------------------|-------|
| DDT 0.25% | 12.00 | Dieldrin 0.1% | 12.00 |
| DDT 0.5% | 12.00 | Dieldrin 0.2% | 12.00 |
| DDT 1% | 12.00 | Dieldrin 0.4% | 12.00 |
| DDT 2% | 12.00 | Dieldrin 0.8% | 12.00 |
| DDT 4% | 12.00 | Dieldrin 1.6% | 12.00 |
| Dieldrin 0.05% | 12.00 | Control in Risella oil (OC control) | 12.00 |

On special request, with delivery time of at least two months; papers impregnated with insecticides listed below can be supplied for research purposes. However, for such request, there must be a minimum order of 10 boxes per concentration.

| | |
|-------------|-------|
| Dieldrin 4% | 12.00 |
|-------------|-------|

11

BLACKFLY LARVAE (WHO/VBC/81.811)

Equipment (as described below)

Price per kit US\$ 27.10

1 pipette 1 ml, white marking; 1 pipette 1 ml, red marking; 1 pipette 1 ml, yellow marking; 1 pipette 1 ml, black marking; 1 pipette 1 ml, without marking; 5 rubber suction bulbs for pipettes; 3 pipettes (eye dropper); 3 bulbs for eye dropper; 1 instruction sheet WHO/VBC/81.811; 20 report forms; 3 log probability papers; 1 label; 1 correction for document WHO/VBC/81.811.

Insecticide solutions (in 50 ml bottle)

| | US\$ per bottle |
|--|-----------------|
| DDT 625mg/1, 125mg/1, 25mg/1, 5mg/1, 1mg/1 | 2.70 |
| methoxychlor 625mg/1, 125mg/1, 25mg/1, 5mg/1, 1mg/1 | 2.70 |
| chlorpyrifos-methyl 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1 | 2.70 |
| pirimiphos-methyl 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1 | 2.70 |
| temephos 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1 | 2.70 |
| Control alcohol only | 2.40 |

Complete Test Kit Sets

| | US\$ |
|--|-------|
| Test Kit including 1 complete set of solutions + control | 43.10 |
| Test Kit including 2 complete set of solutions + control | 59.00 |
| Test Kit including 3 complete set of solutions + control | 75.00 |
| Test Kit including 4 complete set of solutions + control | 91.00 |

(Maximum allowed per parcel: four)

Note: The alcohol used for these solutions and for the control has been denatured by the addition of 2% butanone.

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

12

COCKROACHES (WHO/VBC/75.593)**Equipment** (as described below)**Price per kit US\$ 30.00**

4 bottles, glass 50 ml; 4 measuring cylinders, 10 ml; 4 graduated pipettes, 5 ml; 6 glass jars, 500 ml, with cover; 1 tin of petrolatum grease; 1 bottle of petrolatum oil; 1 instruction sheet WHO/VBC/75.593; 10 report forms; 6 log probability papers; 1 label.

Insecticide solutions (in 50 ml glass bottle)

| | US\$ per bottle |
|---|-----------------|
| Dieldrin 0.5%, malathion 1.0%, diazinon 5%, propoxur 1.0% | 2.70 |
| Control acetone only | 2.40 |

Complete Test Kit Set

Complete Test Kit (including one bottle of each insecticide and control) **US\$ 43.40**

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

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LICE (BODY AND HEAD) (WHO/VBC/81.808)**Equipment** (as described below)**Price per kit US\$ 4.00**

Instruction sheet, log probability paper, report form, label.

Insecticide impregnated papers

| | US\$ | | US\$ |
|---|-------|--------------------------------------|-------|
| DDT 4% | 12.00 | Control in olive oil (OP/C control) | 18.00 |
| Dieldrin 0.1% | 12.00 | Permethrin 0.75% | 18.00 |
| Control in Risella oil (OC control) | 12.00 | Deltamethrin 0.05% | 18.00 |
| Malathion 5% | 18.00 | Control in silicone oil (PY control) | 18.00 |
| On special request, with delivery time of at least two months; papers impregnated with insecticides listed below can be supplied for research purposes. However, for such request, there must be a minimum order of 10 boxes per concentration. | | | |
| Propoxur 0.8% | 18.00 | Trichlorfon 1% | 18.00 |

FLEAS (WHO/VBC1/81.815)**Equipment** (as described below)**Price per kit US\$ 90.40**

20 white clean sheet of papers (12 x 15 cm); 26 glass test tubes, 17 cm (diam inter 16 mm); 1 test tube rack for 24 tubes, 15 x 10 x 9 cm; 1 black foam plastic mats, 15 x 10 x 0.4 cm; 30 nylon nettings, 5 cm²; 50 rubber bands; 1 tweezers, flat tip; 2 nylon brushes; 1 holding container for fleas, of clear plastic with cover; 1 pair of tongs; 2 rubber suction bulbs (big); 4 flexible tubings, 35 cm l, diameter 4 mm, int 7 mm, ext; 2 nozzles (glass), diam int 4 mm, 15 cm l; 2 aspirators unit; 2 pair of rubber (latex) gloves, size 8½, 9½; 2 roll scotch adhesive tapes, 10 m x 19 mm; 1 instruction sheet WHO/VBC/81.815 + schema; 20 report forms; 3 log probability papers; 1 label.

Insecticide impregnated papers

| | US\$ | | US\$ |
|-------------------------------------|-------|-------------------------------------|-------|
| DDT 1% | 12.00 | Fenitrothion 1% | 18.00 |
| Dieldrin 0.2% | 12.00 | Propoxur 0.1% | 18.00 |
| Control in Risella oil (OC control) | 12.00 | Control in olive oil (OP/C control) | 18.00 |
| Malathion 5% | 18.00 | | |

On special request, with delivery time of at least two months; papers impregnated with insecticides listed below can be supplied for research purposes. However, for such request, there must be a minimum order of 10 boxes per concentration.

Trichlorfon 1% **US\$ 18.00**

TICKS (ADULTS) (WHO/VBC/81.814)**Equipment** (as described below)**Price per kit US\$ 72.30**

2 syringes, 2ml, 1/10 grad, with needle; 2 syringes, 10 ml with needle; 2 forceps, straight; 25 rubber bands; 25 holding containers (paper cup); 25 nylon nettings, 15 cm²; 5 small vials with caps, 10 ml; 1 self-filling capillary applicator; 1 instruction sheet WHO/VBC/81.814; 20 report forms; 3 log probability papers; 1 label.

Insecticide solutions (in 50 ml glass bottle)

| | US\$ per bottle |
|--|-----------------|
| DDT 10%, dieldrin 5%, malathion 10%, fenthion 5% | 2.70 |
| Control butanone only | 2.40 |

Complete Test Kit Set

Test Kit including complementary equipment (the composition of the complementary equipment depends on the number of insecticides requested).

| | US\$ |
|-----------------------|--------|
| 1 solution + control | 91.60 |
| 2 solutions + control | 111.00 |
| 3 solutions + control | 130.10 |
| 4 solutions + control | 149.40 |

VOLATILE SOLVENT. SEE NOTE 3 ON FRONT PAGE (AIR FREIGHT)

RODENTS (*WHO/VBC/82.843*)**Equipment** (as described below)**Price per kit US\$ 59.00**

1 sieve (ASTM opening 1.70 mm); 20 basic data sheets, report form no 1; 5 summary sheets, report form no 2; 1 instruction sheet WHO/VBC/82.82.843; 1 label; 5 boxes of warfarin (anticoagulant), 500 g.
