

WHO Pesticide Evaluation Scheme
Vector Ecology & Management
Department of Control of Neglected Tropical Diseases
World Health Organization
1211 Geneva 27
Switzerland

Vector Control Research Unit
School of Biological Sciences
Universiti Sains Malaysia
11800 Penang, Malaysia
Tel: +604 657 4776
Email: vcru@usm.my

INSECTICIDE RESISTANCE MONITORING IN DISEASE VECTORS

Procedures and conditions for supply of test kits

The test kits are manufactured and supplied/dispached by the Universiti Sains Malaysia (USM), Penang, Malaysia, a WHO collaborating institution. To place orders for kits and other supplies, please read the instructions given below.

1. Requests

Requests for kits and supplies should be made directly to the following:

The Coordinator,
Vector Control Research Unit
School of Biological Sciences
Universiti Sains Malaysia
11800 Penang
Malaysia
Tel: +604 6574776;
Fax: +604 6577200;
E-mail: vcru@usm.my.

All requests must be accompanied by a copy of the order form WHO.USM/01 (enclosed) in which all relevant information should be filled to avoid unnecessary delays in responding to requests.

Alternatively, orders may be placed using online submission at www.inreskit.usm.my

To assist the Vector Control Research Unit (VCRU) in making timely supplies 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 procedures specified are followed.

Lead time required: Upon receipt of confirmation of full payment (scanned copy of the payment transaction), VCRU/USM will initiate production of the requested supplies and will dispatch them in 2–3 weeks under intimation to the ordering party.

2. Proforma invoice

On receipt of orders, preferably electronically, USM will send a proforma invoice of the cost of items and shipment costs.

3. Dispatch and confirmation

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

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 specified, items will be dispatched by courier service (e.g. Federal Express, DHL etc) or by a normal freight services so that they will be delivered within a few days only directly to the address of the procurer.

4. Costing

All materials will be charged according to the prices given in form WHO.USM.01 given below. The shipment cost depends on the quantity of items ordered, destination country and mode of shipment should be clearly indicated under item 8.

The ordering parties (requestors) are responsible for customs clearances, payment of local taxes, demurrage and storage charges, if any, at the port of arrival.

All payment should ONLY 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

SWIFT CODE: RHBBMYKL

Notes:

1. Please send us a copy of your bank advice slip so that we can ensure that payment received is credited to the proper account.
2. All payments (either by cheque/bank draft or telegraphic transfer) must indicate VCRU reference number, which will be assigned on the invoice.
3. 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.

WHO Pesticide Evaluation Scheme
 Vector Ecology & Management
 Department of Control of Neglected Tropical Diseases
 World Health Organization
 1211 Geneva 27
 Switzerland

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 School of Biological Sciences
 Universiti Sains Malaysia
 11800 Penang, Malaysia
 Tel: +604 657 4776
 Email: vcru@usm.my

SUPPLIES FOR INSECTICIDE RESISTANCE MONITORING
Requisition form

1. Requester's reference no., if any		2. VCRU reference no.	
Date of request (DD/MM/YYYY)		Date order received	
3. Country			
4. WHO Region			
5. Requestor's contact details			
Name:	Mr/Ms/Dr.		
Address: <i>(please include street name, city, zip code, country)</i>			
Tel <i>(include country & area codes):</i>	+		
Fax <i>(include country and area codes)</i>	+		
Email:			
6. Supplied to be sent to: <i>(if different from above)</i>			
7. For WHO requisitions only: mention PTAE0 number:			
8. Preferred mode of shipment (please specify your choice below:			
<i>By Courier service/ air/post- parcel</i>			
<i>Other mode, please specify</i>			

Your ref: _____
(to be filled by USM)

WHO/VCRU Ref: _____

	Item	Cost per unit (US \$)	Quantity	Total cost (US\$)
A. Insecticide impregnated papers (boxes) – each box contains 8 papers				
1.	DDT	4.0%	16.00	
2.	Dieldrin	0.4%	16.00	
3.	Dieldrin	4.0%	16.00	
4.	Control in risella oil (OC control)		16.00	
5.	Malathion	5.0%	22.00	
6.	Fenitrothion	1.0%	22.00	
7.	Propoxur	0.1%	22.00	
8.	Bendiocarb	0.1%	22.00	
9.	Pirimiphos-methyl*	0.25%	22.00	
10.	Carbosulfan*	0.4%	22.00	
11.	Fipronil*	2.0%	22.00	
12.	Control in olive oil (OP/C control)		22.00	
13.	Alpha-cypermethrin*	0.05%	22.00	
14.	Permethrin	0.75%	22.00	
15.	Deltamethrin	0.05%	22.00	
16.	Lambda-cyhalothrin	0.05%	22.00	
17.	Cyfluthrin	0.15%	22.00	
18.	Etofenprox	0.5%	22.00	
19.	Bifenthrin	0.2%	22.00	
20.	Chlorfenapyr*, ^a	5.0%	–	
21.	PBO	4.0%	22.00	
22.	Control in silicone oil (PY and PBO control)		22.00	
B. Papers for resistance intensity assays – each box contains 8 papers				
5X diagnostic concentrations:				
23.	Bendiocarb	0.5%	26.00	
24.	Pirimiphos-methyl*	1.25%	26.00	
25.	Alpha-cypermethrin*	0.25%	26.00	
26.	Permethrin	3.75%	26.00	
27.	Deltamethrin	0.25%	26.00	
28.	Lambda-cyhalothrin	0.25%	26.00	
29.	Cyfluthrin	0.75%	26.00	
30.	Etofenprox	2.5%	26.00	

10X diagnostic concentrations:				
31	Bendiocarb	1.0%	30.00	
32	Pyrimiphos-methyl*	2.5%	30.00	
33	Alpha-cypermethrin*	0.5%	30.00	
34	Permethrin	7.5%	30.00	
35	Deltamethrin	0.5%	30.00	
36	Lambda-cyhalothrin	0.5%	30.00	
37	Cyfluthrin	1.5%	30.00	
38	Etofenprox	5.0%	30.00	
C. Other items				
39	Adult mosquito (diagnostic) test kit (WHO/VBC/81.806)**		78.00	
40	Adult mosquito (base-line) test kit (WHO/VBC/81.805)**		88.00	
41	Bioassay kit (VBC/81.5)**		66.00	
42	Aspirators (straight)***		8.00	
43	Aspirators (bent)***		8.00	
44	Bioassay cones (conical chamber)		1.00	
45	Test tube for adult mosquitoes – 1 tube with red dot (exposure for impregnated paper), 1 tube with green dot (holding) and 1 slide		10.00	
46	Test tube for adult mosquitoes – 1 tube with yellow dot (exposure for control paper), 1 tube with green dot (holding) and 1 slide		10.00	
47	Exposure tube (metal clip of copper colour)		1.00	
48	Holding tube (metal clip of silver colour)		1.00	
49	Paper cup for holding insects		1.00	
TOTAL COST OF ITEMS				

Notes:

- a** Papers not available currently
- *** Tentative concentration, to be confirmed by WHO through multi-centre studies
- **** See detailed content in annex.
- ***** .Aspirator (Straight): 1 straight glass tube, 1 rubber tubing, 1 mouthpiece for WHO test tubes.
- ***** Aspirator (Bent): 1 bent glass tube, 1 rubber tubing, 1 mouthpiece for conical chamber.
- 45** Test tubes comprising: 1 tube with red dot (exposure for insecticide impregnated paper), 1 tube with green dot (holding), 1 slide.
- 46** Test tubes comprising: 1 tube with yellow dot (exposure for control paper), 1 tube with green dot (holding), 1 slide.

	Item	Cost per kit (US\$)	Quantity	Total cost (US\$)
D. Other test kits available:				
50	Bed-bugs WHO/VBC/81.809	66.00		
51	Blackflies (Adult), Sandflies & Biting Midges WHO/VBC/81.810	116.00		
52	Blackflies (larvae) WHO/VBC/81.811	32.00		
53	Cockroaches WHO/VBC/75.593	35.00		
54	Dichlorvos & Other Persistent Fumigants WHO/VBC/75.594	87.00		
55.	Fleas WHO/VBC/81.815	104.00		
56.	Houseflies, Tsetse Flies, Stableflies, Blowflies, etc. WHO/VBC/81.813	68.00		
57.	Lice (Body and Head) WHO/VBC/81.808	5.00		
58.	Mosquitoes (Larvae) WHO/VBC/81.807	38.00		
59.	Mosquitoes (Larvae resistance to development inhibitors) WHO/VBC/81.812	32.00		
60.	Reduviid Bugs WHO/VBC/75.587	46.00		
61.	Rodents WHO/VBC/82.843			
62.	Ticks (Adult) WHO/VBC/81.814	151.00		
E. Other Insecticide Papers*/Solutions (please indicate target insects and concentrations required)				
63.				
64.				
65.				
66.				
67.				
68.				
69.				
70.				
71.				
72.				
TOTAL COST OF ITEMS				

* For concentrations not already listed here, there must be a minimum order of 3 boxes per concentration.

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

**PRICE LIST No. 3 (JULY 2016)
IMPORTANT**

- Note 1.** Equipment and/or insecticides may be ordered separately. Dichlorvos, other persistent fumigants and rodent kits are, however, only issued as complete kits. 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 dispatch.
- 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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4	Mosquitoes (Larval 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

*Includes 5X and 10X concentrations for resistance intensity assays

MOSQUITOES (ADULT) DIAGNOSTIC TEST (WHO/VBC/81.806)**A. Equipment** (as described below)**Price per kit US\$ 78.00**

4 plastic tubes with red dot; 6 plastic tubes with green dot; 2 plastic tubes with yellow dot; 6 slide units; 40 sheet of white papers of 15 x 12 cm size for lining the holding tubes; 6 clips (silver colour); 6 clips (copper colour); 2 tube aspirators, straight; 2 rubber 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; 1 report form (download); 1 log probability paper (download); 1 label.

B. Insecticide impregnated papers*

	US\$ per box		US\$ per box
DDT 4%	16.00	Control in olive oil (OP/C control)	22.00
Dieldrin 0.4%	16.00	Permethrin 0.75%	22.00
Dieldrin 4%	16.00	Deltamethrin 0.05%	22.00
Control in risella oil (OC control)	16.00	Lambda-cyhalothrin 0.05%	22.00
Malathion 5%	22.00	Alphacypermethrin 0.05%	22.00
Fenithrothion 1%	22.00	Cyfluthrin 0.15%	22.00
Propoxur 0.1%	22.00	Etofenprox 0.5%	22.00
Bendiocarb 0.1%	22.00	PBO 4.0%	22.00
Pirimiphos-methyl 0.25%	22.00	Control in silicone oil (PY control)	22.00

5X diagnostic concentrations

Pirimiphos-methyl 1.25%	26.00
Bendiocarb 0.5%	26.00
Permethrin 3.75%	26.00
Alpha-cypermethrin 0.25%	26.00
Deltamethrin 0.25%	26.00
Lambda-cyhalothrin 0.25%	26.00
Cyfluthrin 0.75%	26.00
Etofenprox 2.5%	26.00

10X diagnostic concentrations

Pirimiphos-methyl 2.5%	30.00
Bendiocarb 1%	30.00
Permethrin 7.5%	30.00
Alpha-cypermethrin 0.5%	30.00
Deltamethrin 0.5%	30.00
Lambda-cyhalothrin 0.5%	30.00
Cyfluthrin 1.5%	30.00
Etofenprox 5%	30.00

*Papers with other concentrations are available on request (minimum 3 boxes should be ordered)

MOSQUITOES (ADULT) ESTABLISHMENT OF THE BASE-LINE (WHO/VBC/81.805)

Equipment (as described below)

Price per kit US\$ 88.00

5 plastic tubes with red dot; 6 plastic tubes with green dot; 1 plastic tubes with yellow 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; 1 report form; 1 log probability paper; 1 label.

Insecticide impregnated papers

	US\$ per box		US\$ per box
DDT 0.25%	16.00	Malathion 5%	22.00
DDT 0.5%	16.00	Fenithrothion 1%	22.00
DDT 1%	16.00	Propoxur 0.1%	22.00
DDT 2%	16.00	Bendiocarb 0.1%	22.00
DDT 4%	16.00	Control in olive oil	22.00
Dieldrin 0.05%	16.00	Permethrin 0.75%	22.00
Dieldrin 0.1%	16.00	Deltamethrin 0.05%	22.00
Dieldrin 0.2%	16.00	Lambdacyhalothrin 0.05%	22.00
Dieldrin 0.4%	16.00	Cyfluthrin 0.15%	22.00
Dieldrin 0.8%	16.00	Etofenprox 0.5%	22.00
Dieldrin 4%	16.00	Control in silicone oil	
Control in risella oil		(PY control)	22.00
(OC control)	16.00		

*Papers with other concentrations are available on request (minimum 3 boxes should be ordered)

MOSQUITO (LARVAE) (WHO/VBC/81.807)**Equipment** (as described below)**Price per kit US\$ 38.00**

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; 1 report form; 1 log probability paper; 1 label.

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

Malathion 781.25mg/1, 156.25mg/1, 31.25mg/1, 6.25mg/1	3.50
Temephos 156.25mg/1, 31.25mg/1, 6.25mg/1, 1.25mg/1	3.50
Bromophos 31.25mg/1, 6.25mg/1, 1.25mg/1, 0.25mg/1	3.50
Fenitrothion 31.25mg/1, 6.25mg/1, 1.25mg/1, 0.25mg/1	3.50
Fenthion 31.25mg/1, 6.25mg/1, 1.25mg/1, 0.25mg/1	3.50
Chlorpyrifos 6.25mg/1, 1.25mg/1, 0.25mg/1, 0.05mg/1	3.50

Note: Alcohol used for these solutions and for the control has been denatured by adding 2% butanone.

Control (alcohol only)	3.00
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Complete Test Kit Sets**US\$**

including equipment + 1 complete set of solutions + control	54.00
2 complete sets of solutions + control	69.00
3 complete sets of solutions + control	84.00
4 complete acts of solutions + control	100.00

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

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MOSQUITO LARVAE RESISTANCE TO INSECT DEVELOPMENT INHIBITORS*(WHO/VBC/81.812)***Equipment** (as described below)**Price per kit US\$ 32.00**

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***(RS)*-methoprene 20mg/1, 4mg/1, 0.8mg/1, 0.16mg/1, 0.032mg/1

3.50

Diflubenzuron 20mg/1, 4mg/1, 0.8mg/1, 0.16mg/1, 0.032mg/1

3.50

Note: Alcohol used for these solutions and for the control has been denatured by adding 2% butanone.

US\$ per bottle

Control (alcohol only)

3.00

Complete Test Kit SetComplete Test Kit (including one complete set of each insecticide and control) **US\$ 68.00**

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TEST KIT FOR BIOASSAYS ON WALL SURFACES *(VBC/81.5)***Equipment** (as described below)**Price per kit US\$ 56.00**

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 (1 red, 1 green); 1 instruction sheet (WHO/VBC/81.5); and 1 label.

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DICHLORVOS AND OTHER PERSISTENT FUMIGANTS *(WHO/VBC/75.594)***Equipment** (as described below)**Price per kit US\$ 87.00**

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 50ml 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; six 10 ml vials with screw caps; three 10-cubic cm 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; 1 report form; 1 log probability paper; 1 label.

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

HOUSEFLIES, TSETSE FLIES, STABLEFLIES, BLOWFLIES, ETC. (WHO/VBC/81.813)**Equipment** (as described below)**Price per kit US\$ 68.00**

60 paper cups; 60 nylon netting 15 cm²; 60 rubber bands; two 2ml plastic syringes; two 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; 1 report form; 1 log probability paper; and 1 label.

***Supplementary equipment for each insecticide purchased**

Four 10 ml vials with caps; one 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 3.50

Control butanone only

US\$ per bottle 3.00**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	63.00
2 insecticides + control	73.00
3 insecticides + control	84.00
4 insecticides + control	94.00
5 insecticides + control	104.00
6 insecticides + control	115.00
7 insecticides + control	125.00
8 insecticides + control	136.00
9 insecticides + control	146.00
10 insecticides + control	156.00

(Maximum allowed per kit: ten)

REDUVIID BUGS (WHO/VBC/75.587)**Equipment** (as described below)**Price per kit US\$ 46.00**

6 glass test tubes, 15 cm length, internal diameter 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; 1 report form; 1 log probability paper; 1 label; 40 sheet clean white papers 15 x 12 cm.

Insecticide

	US\$
Dieldrin 0.4%,	16.00
Dieldrin 0.8%,	16.00
Dieldrin 1.6%,	16.00
Dieldrin 4%	16.00
Control in risella oil (OC control)	16.00

ADULT BED-BUGS (WHO/VBC/81.809)**Equipment** (as described below)**Price per kit US\$ 66.00**

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; 1 report form; 1 log probability paper; 1 label.

Insecticide impregnated papers

	US\$		US\$
DDT 4%	16.00	Fenitrothion 1%	22.00
Dieldrin 0.8%	16.00	Permethrin 0.75%	22.00
Control in risella oil (OC control)	16.00	Deltamethrin 0.05%	22.00
Malathion 5%	22.00	Control in silicone oil (PY control)	22.00

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%	US\$ 22.00	Trichlorfon 1%	US\$ 22.00
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ADULT BLACKFLIES, SANDFLIES AND BITING MIDGES (WHO/VBC/81.810)**Equipment** (as described below)**Price per kit US\$ 116.00**

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%	16.00	Dieldrin 0.1%	16.00
DDT 0.5%	16.00	Dieldrin 0.2%	16.00
DDT 1%	16.00	Dieldrin 0.4%	16.00
DDT 2%	16.00	Dieldrin 0.8%	16.00
DDT 4%	16.00	Dieldrin 1.6%	16.00
Dieldrin 0.05%	16.00	Control in risella oil (OC control)	16.00
Dieldrin 4%	16.00		

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.

BLACKFLY LARVAE (WHO/VBC/81.811)**Equipment** (as described below)**Price per kit US\$ 32.00**

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 pipettes; 3 pipettes (eye dropper); 3 bulbs for eye dropper; 1 instruction sheet WHO/VBC/81.811; 1 report form; 1 log probability paper; 1 label; 1 corrigendum sheet 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	3.50
Methorxychlor 625mg/1, 125mg/1, 25mg/1, 5mg/1, 1mg/1	3.50
Chlorpyrifos-methyl 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1	3.50
Pirimiphos-methyl 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1	3.50
Temephos 312.5mg/1, 62.5mg/1, 12.5mg/1, 2.5mg/1	3.50
Control (alcohol only)	3.00

Complete Test Kit Sets

	US\$
Test Kit including 1 complete set of solutions + control	50.00
Test Kit including 2 complete set of solutions + control	68.00

Test Kit including 3 complete set of solutions + control	87.00
Test Kit including 4 complete set of solutions + control	105.00

(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.

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COCKROACHES (WHO/VBC/75.593)

Equipment (as described below)

Price per kit US\$ 35.00

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; 1 report form; 1 log probability paper; 1 label.

Insecticide solutions (in 50 ml glass bottle)

	US\$ per bottle
Dieldrin 0.5%,	3.50
malathion 1.0%,	3.50
diazinon 5%,	3.50
propoxur 1.0%	3.50
Control (acetone only)	3.00

Complete Test Kit Set

Complete Test Kit (including one bottle of each insecticide and control) **US\$ 50.00**

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LICE (BODY AND HEAD) (WHO/VBC/81.808)

Equipment (as described below)

Price per kit US\$ 5.00

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

Insecticide impregnated papers

	US\$		US\$
DDT 4%	16.00	Control in olive oil (OP/C control)	22.00
Dieldrin 0.1%	16.00	Permethrin 0.75%	22.00
Control in risella oil (OC control)	16.00	Deltamethrin 0.05%	22.00
Malathion 5%	22.00	Control in silicone oil (PY control)	22.00

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%	US\$ 22.00	Trichlorfon 1%	US\$22.00
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FLEAS (WHO/VBC1/81.815)

Equipment (as described below)**Price per kit US\$ 104.00**

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%	16.00	Fenitrothion 1%	22.00
Dieldrin 0.2%	16.00	Propoxur 0.1%	22.00
Control in risella oil (OC control)	16.00	Control in olive oil (OP/C control)	22.00
Malathion 5%	22.00		

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\$ 22.00**

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TICKS (ADULTS) (WHO/VBC/81.814)**Equipment** (as described below)**Price per kit US\$ 151.00**

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%,	3.50
dieldrin 5%,	3.50
malathion 10%,	3.50
fenthion 5%	3.50
Control butanone only	3.00

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	106.00
2 solutions + control	127.00
3 solutions + control	150.00
4 solutions + control	172.00

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

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.

*Cannot supply – warfarin (anticoagulant) not available at present.