



ORDER FORM FOR SERVICE

CUSTOMER DETAILS	
Name:	Address:
Company:	
	Town:
Email:	Postcode/Zip:
Phone:	State:

MATERIAL AND SAMPLE INFORMATION
Product:
Lot. No:
Formulation:
Encapsulation compound:
Active Ingredients:
Test dosage:

* The test/analysis can be personalized as requested by client

* The price of the test is varies depending on the type of test, number of replicates, duration, strain, location of field test, assessment period, etc.

Contact Person:

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LAB USE ONLY	
Date received	
Sample No.	
Invoice No.	



TEST TO BE PERFORMED	
MOSQUITO	
Determination of Effective Dose	Household Insecticide Product (FIK)
<p>Mosquito species:</p> <p><i>Aedes albopictus</i> <i>Aedes aegypti</i> <i>Culex quinquefasciatus</i></p> <p>Type of test:</p> <p>Larval Bioassay (Larvae) Topical application (Adult) Wall surface (Adult)- Cone test</p>	<p>Species:</p> <p><i>Aedes aegypti</i> <i>Culex quinquefasciatus</i> <i>Musca domestica</i> (Fly)</p> <p>Type of test:</p> <p>Room Size Chamber Peet Grady Glass Chamber</p> <p>Type of HIP:</p> <p>Aerosol Mat Vaporizer Coil</p>
Repellency Test	Phase 1: Small Scale Trial (Residual Efficacy Test)
<p>Mosquito species:</p> <p><i>Aedes aegypti</i> <i>Culex quinquefasciatus</i></p> <p>Type of protocol on human bait:</p> <p>WHO <i>Effective dose</i> <i>Complete Protection Time</i></p> <p>Malaysia Standard (MS) <i>Complete Protection Time</i></p> <p>Selection choice</p>	<p>Mosquito species:</p> <p><i>Aedes albopictus</i> <i>Aedes aegypti</i> <i>Culex quinquefasciatus</i></p> <p>Duration:</p> <p>1 week 2 weeks 1 months 3 months > 3 months</p>
Adult Bioassay Baseline (Phenotypic Resistance)	Larvicidal Bioassay Baseline (Phenotypic Resistance)
<p>Mosquito species:</p> <p><i>Aedes aegypti</i> <i>Aedes albopictus</i></p> <p>Insecticides:</p> <p>DDT Bendiocarb</p>	<p>Mosquito species:</p> <p><i>Aedes aegypti</i> <i>Aedes albopictus</i></p> <p>Insecticides:</p> <p>Malathion</p>



<p>Alpha-cypermethrin Pirimiphos- methyl Permethrin Deltamethrin Lambda-cyhalothrin Cyfluthrin Etofenprox Malathion Fenithrothion Propoxur Fipronil Bifenthrin PBO (synergist)</p> <p>Dose:</p> <p>1 x 5 x (only on selected insecticide) 10 x (only on selected insecticide)</p> <p>*Following WHO protocol including VCRU strain baseline and control</p>	<p>Temephos Bromophos Fenitrothion Fenthion Chlophyrifos</p> <p>Insecticide Inhibitor: (RS)- Methoprene Diflubenzuron</p> <p>*Following WHO protocol including VCRU strain baseline and control</p>
<p>Resistance <i>kdr</i> Analysis in Mosquito</p>	<p>Biochemical Resistance Analysis</p>
<p>Mosquito species:</p> <p><i>Aedes aegypti</i> <i>Aedes albopictus</i></p> <p><i>kdr</i> sites:</p> <p>A1007G (New novel site) S989P I1011M/V V1016G/I F1534C</p> <p>* Including sequencing analysis.</p>	<p>Mosquito species:</p> <p><i>Aedes aegypti</i> <i>Aedes albopictus</i> <i>Culex quinquefasciatus</i></p> <p>Type of test:</p> <p>Total protein (PTN) Acetylcholinesterase (ACE) Mixed Function Oxidase (MFO) Alpha and beta- esterase (α- and β-EST) PNPA esterase Glutathione-S-Transferase (GST)</p> <p>*Suitable for homogeneity test</p>
<p>Virus Detection Analysis in Vector</p>	
<p>Disease detection:</p> <p>Dengue Chikungunya Zika</p>	



COCKROACHES	
Household Insecticide Product (CIK)	Efficacy Test on Dose Determination
<p>Insect:</p> <p><i>American cockroach (Periplaneta americana)</i> <i>German cockroach (Blatella germanica)</i></p> <p>Type of test:</p> <p>Glass cylinder Surface treatment (Plywood or Tiles) Baiting Station System</p>	<p>Insect:</p> <p><i>American cockroach (Periplaneta americana)</i> <i>German cockroach (Blatella germanica)</i></p> <p>Type of test:</p> <p>Topical application</p>
Phenotypic Resistance Assay (Adult)	Field Testing
<p>Insect:</p> <p><i>American cockroach (Periplaneta americana)</i> <i>German cockroach (Blatella germanica)</i></p> <p>Type of insecticide (WHO):</p> <p>Dieldrin Malathion Diazinon Propoxur</p> <p>Company own product</p> <p>* Following WHO protocol</p>	<p>Field testing for efficacy test</p> <p>* Will be designed based on client needs * Suitable for efficacy and residual testing</p>
HOUSEFLY	
Efficacy Test of Housefly	Phenotypic Resistance Assay (Adult)
<p>Insect:</p> <p><i>Musca domestica</i></p> <p>Type of test:</p> <p>Topical application Effective dose and residual test</p> <p>* Test methodology is varies based on the subject * Field testing can be done based on client needs</p>	<p>Insect:</p> <p><i>Musca domestica</i></p> <p>Type of insecticide (WHO):</p> <p>DDT Lindane Malathion Diazinon Dieldrin Propoxur Dichlorvos Fenthion Permethrin</p>



	<p>Deltamethrin</p> <p>Company own product</p> <p>* Following WHO protocol</p>
OTHER INSECTS	
Efficacy Test for Other Insects	Field Testing
<p>Insect species:</p> <p>Fruit Fly House Gecko Rove Beetle Rice weevil</p> <p>Type of test</p> <p>Topical application Efficacy and Residual Test Repellency test</p> <p>* Field strain only * Test methodology is varies based on the subject * Field testing can be done based on the suitability of subject</p>	<p>Field testing on efficacy</p> <p>* Will be designed based on client needs * Suitable for efficacy and residual testing</p>
OTHER SERVICES	
INSECT IDENTIFICATION	INSECTICIDE RESIDUAL ON SURFACE (GS-MS)
<p>* Please refer to the "Insect Diagnostic Service Specimen Form"</p>	<p>Type of surface (Please specify):</p>
OTHER REQUEST	