

Anopheles stephensi, SDA500 strain

Vector information

Family: *Culicidae*

Genus: *Anopheles*

Species: *Anopheles stephensi* (Indian malaria mosquito)

Strain Name: SDA500

Place of origin: Pakistan

Date of colonisation: 1982

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Eggs on wet paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
- Single dissected midguts, salivary glands or ovaries (minimum 20)

Material:

- Whole mosquitoes or dissected tissues, fixed in 70% ethanol, formalin, or other fixative for DNA extraction from 70% ethanol, immunohistochemistry, but not for RNA extraction or proteomics.
- Whole mosquitoes or dissected tissues, homogenised in a lysis buffer such as Trizol for RNA, DNA and protein experiments.
- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.

Anopheles coluzzii, N'Gouso strain

Vector information

Family: *Culicidae*

Genus: *Anopheles*

Species: *Anopheles coluzzii*

Strain Name: N'Gouso

Place of origin: Yaoundé, Cameroon

Date of colonisation: 2006

Genotype features: TEP1*S

Phenotype features: susceptible to *P. falciparum* & *P. berghei*

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Eggs on wet paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
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- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.

Anopheles gambiae/coluzzii, G3 strain

Vector information

Family: *Culicidae*

Genus: *Anopheles*

Species: *Anopheles gambiae/coluzzii* (African malaria mosquito)

Strain: G3

Original Source: The *Anopheles gambiae* (*An. gambiae*), strain G3 was isolated in 1975 in The Gambia, Africa.1,2

Comments: Strain G3 has a 2La/+, TEP1*S genotype. G3 is a polymorphic stock that has not been exhaustively defined to distinguish it from other 'wild' *An. gambiae* stocks.

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Eggs on wet paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
- Single dissected midguts, salivary glands or ovaries (minimum 20)

Material:

- Whole mosquitoes or dissected tissues, fixed in 70% ethanol, formalin, or other fixative for DNA extraction from 70% ethanol, immunohistochemistry, but not for RNA extraction or proteomics.
- Whole mosquitoes or dissected tissues, homogenised in a lysis buffer such as Trizol for RNA, DNA and protein experiments.
- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.

Aedes albopictus, Bischheim strain

Vector information

Family: *Culicidae*

Genus: *Aedes*

Species: *Aedes albopictus*

Strain Name: Bischheim

Place of origin: Bischheim, Alsace, France

Date of colonisation: 2018

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Dry eggs on paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
- Single dissected midguts, salivary glands or ovaries (minimum 20)

Material:

- Whole mosquitoes or dissected tissues, fixed in 70% ethanol, formalin, or other fixative for DNA extraction from 70% ethanol, immunohistochemistry, but not for RNA extraction or proteomics.
- Whole mosquitoes or dissected tissues, homogenised in a lysis buffer such as Trizol for RNA, DNA and protein experiments.
- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.

Aedes aegypti, iSABEL strain

Vector information

Family: *Culicidae*

Genus: *Aedes*

Species: *Aedes aegypti*

Strain Name: mixed origins

Place of origin: selected by the platform from a line of different origins

Date of colonisation: 2022

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Dry eggs on paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
- Single dissected midguts, salivary glands or ovaries (minimum 20)

Material:

- Whole mosquitoes or dissected tissues, fixed in 70% ethanol, formalin, or other fixative for DNA extraction from 70% ethanol, immunohistochemistry, but not for RNA extraction or proteomics.
- Whole mosquitoes or dissected tissues, homogenised in a lysis buffer such as Trizol for RNA, DNA and protein experiments.
- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.



Aedes aegypti, LVP-IB12 strain

Vector information

Family: *Culicidae*

Genus: *Aedes*

Species: *Aedes aegypti*

Strain Name: Liverpool-IB12

Place of origin:

Date of colonisation:

The establishment of an IRTA between INSECTA, MR4 BEI and customers is necessary

Material provided:

Live eggs or adult mosquitoes:

Unit definition:

- Batch of 2000-5000 live eggs/larvae
- Single mosquito (minimum 50 mosquitoes)

Material:

- Dry eggs on paper.
- Larvae in 250 mL of water with food and a sample of food for progressive adaptation.
- Adults in paper cups with sucrose solution.

Whole or dissected extracts:

Unit definition:

- Single whole mosquito,
- Single dissected midguts, salivary glands or ovaries (minimum 20)

Material:

- Whole mosquitoes or dissected tissues, fixed in 70% ethanol, formalin, or other fixative for DNA extraction from 70% ethanol, immunohistochemistry, but not for RNA extraction or proteomics.
- Whole mosquitoes or dissected tissues, homogenised in a lysis buffer such as Trizol for RNA, DNA and protein experiments.
- Whole mosquitoes or dissected tissues, frozen at -80°C or stored in RNALater for RNA, DNA and protein experiments.