**Aedes aegypti**, Strain LVP-IB12, Eggs

Catalog No. MRA-735

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA

**Product Description:**
Classification: Culicidae, Aedes
Species: *Aedes aegypti* (yellow fever mosquito)
Strain: LVP-IB12 (also referred to as Liverpool-IB12)
Original Source: The *Aedes aegypti* (Ae. aegypti), strain LVP-IB12 is an inbred substrain of *Ae. aegypti*, strain Liverpool, which is tolerant to inbreeding while maintaining relevant phenotypes.1 Strain LVP-IB12 was selected from a Liverpool strain by 12 consecutive generations of isofemale line selection and inbreeding.2
Comments: The parent Liverpool strain is susceptible to filaroid parasitic nematodes.1 However, *Ae. aegypti*, strain LVP-IB12 has been reported refractory to *Dirofilaria immitis* and *Brugia malayi* infection.3 It is fixed for a majority of loci across the entire genome.2 The complete genome of *Ae. aegypti*, strain Liverpool has been sequenced (GenBank: AAGE00000000) and based on use of the LVP-IB12 strain.1

**Material Provided:**
MRA-735 contains a suitable number of eggs to establish a stock. Eggs are provided on damp filter paper and should be hatched immediately upon receipt.

**Packaging/Storage:**
MRA-735 is prepared and shipped by CDC. The product is provided at room temperature.

**Growth Conditions:**
Standard *Ae. aegypti* rearing procedures are recommended.2

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Aedes aegypti*, Strain LVP-IB12, Eggs, MRA-735, contributed by David W. Severson.”

**Biosafety Level: 1**
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in

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**References:**

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