b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for MRA-921

Sua 4.0, *Anopheles gambiae* Cell Line

Catalog No. MRA-921

Product Description: The *Anopheles gambiae* cell line Sua 4.0 was established from neonate larvae of the Suakoko 2La strain.

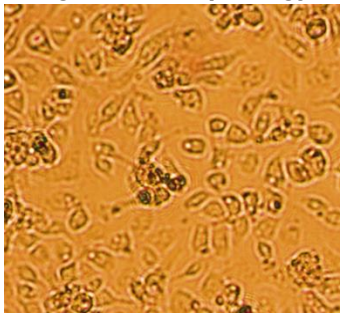
Lot[1]: 64221524 **Manufacturing Date: 08JUL2016**

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent monolayer	Adherent monolayer
Morphology	Adherent monolayer	Adherent monolayer (Figure 1)
Cell Count	≥ 1.0×10^6 cells per vial	2.6×10^6 cells per vial
Post-Freeze Viability	≥ 75%	75.4%
Sterility (21-day incubation)		
Harpo's HTYE broth[2], 37°C and 26°C, aerobic	No growth	No growth
Tryptic Soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud Dextrose broth, 37°C and 26°C, aerobic	No growth	No growth
DMEM with 10% FBS, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
Mycoplasma Contamination		
DNA Detection by PCR	None detected	None detected

[1]MRA-921 was produced by cultivation of MR-MRA-921 lot 58422565 in Schneider's *Drosophila* medium (Gibco 21720-024) supplemented with 10% fetal bovine serum (Gemini Bio-Products 100-135; insect cell qualified), penicillin (100 U/mL) and streptomycin (100 U/mL) at 25°C in sealed flasks for 15 days, after which the cells reached 80%-90% confluency and were harvested. Every 2 to 5 days, media was replaced with fresh culture medium. Cells were reseeded on day 4 (1:3 split), day 8 (1:3 split) and day 11 (1:1.6 split).

[2]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Figure 1: Morphology



Date: 29 AUG 2016 **Signature:**

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