b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for MRA-917

4a-2, *Anopheles gambiae* Cell Line

Catalog No. MRA-917

Product Description:

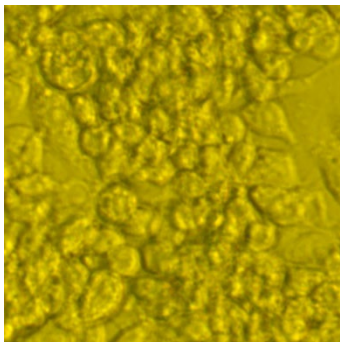
MRA-917 is an *Anopheles gambiae* cell line 4a-2, established from neonate larvae of the Suakoko 2La strain. MRA-917 was produced by cultivation of BEI Resources seed lot 58422730 in Schneider's *Drosophila* medium (Gibco™ 21720-024, insect cell qualified) supplemented with 10% fetal bovine serum (ATCC® 30-2020), penicillin (100 U/mL) and streptomycin (100 µg/mL) at 28°C in sealed flasks without CO_2 for 14 days, after which the cells reached 80%-90% confluency and were harvested. Every 4 to 7 days, media was replaced with fresh culture medium. Cells were reseeded on days 2, 5 and 9 (split ratio 1:2 to 1:4).

Lot: 70056743 **Manufacturing Date: 21AUG2024**

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent monolayer	Adherent monolayer (Figure 1)
Total Cell Count (pre-freeze)	> 1 × 10^6 cells/vial	0.65 × 10^8 cells/vial
Viability (post-freeze)[1]	≥ 50%	65.4%
Sterility (14-day incubation)		
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud 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]Results were taken after 14 days in culture at 28°C in sealed flasks without CO_2, after which the cells reached ≥ 70% confluency.
[2]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Figure 1: Cellular Morphology



/Sonia Bjorum Brower/
Sonia Bjorum Brower 09 DEC 2024
Technical Manager or designee, ATCC Federal Solutions

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