

HC-04, Hepatocyte (human)

Catalog No. MRA-975

Product Description:

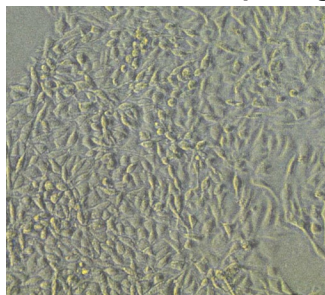
Hepatocyte cell line HC-04 was derived from normal human liver cells and is known to support *Plasmodium falciparum* (*P. falciparum*) and *P. vivax* liver stage development. MRA-975 lot 70048115 was produced by cultivation of the deposited material in complete culture medium (CCM) at 37°C in sealed flasks for 19 days, after which the cells reached >90% confluency and were harvested. Cells were reseeded on day 6 (1:8 split) and day 12 (1:4 split).

Lot: 70048115

Manufacturing Date: 28MAR2022

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent monolayer	Adherent monolayer
Cellular Morphology	Polygonal with granular cytoplasm	Polygonal with granular cytoplasm (Figure 1)
Total Cell Count (post-freeze)	> 1.0 × 10 ⁶ cells per vial	2.26 × 10 ⁶ cells per vial
Viability (post-freeze)	≥ 75%	95.2%
Sterility (BacT/ALERT® 3D Microbial Detection System) 14-day incubation of MRA-975: iNST culture bottle, 32°C, anaerobic iAST culture bottle, 32°C, aerobic	No growth No growth	No growth No growth
Mycoplasma Contamination Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of test article nucleic acid	None detected None detected None detected	None detected None detected None detected

Figure 1: Cellular Morphology



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