

**HC-04, Hepatocyte (human)**

**Catalog No. MRA-975**

**Product Description:**

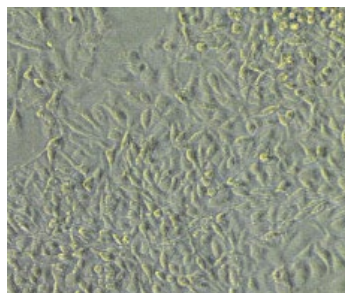
Hepatocyte cell line HC-04 was derived from normal human liver cells and is known to support *Plasmodium falciparum* (*P. falciparum*) and *P. vivax* liver stage development. MRA-975 lot 70048115 was produced by cultivation of the deposited material in complete culture medium (CCM) at 37°C in sealed flasks for 19 days, after which the cells reached >90% confluency and were harvested. Cells were reseeded on day 6 (1:8 split), day 12 (1:2 split).and day 18 (1:2 split).

**Lot: 70048116**

**Manufacturing Date: 29MAR2022**

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Adherent monolayer	Adherent monolayer
<b>Cellular Morphology</b>	Polygonal with granular cytoplasm	Polygonal with granular cytoplasm (Figure 1)
<b>Total Cell Count (post-freeze)</b>	> 1.0 × 10 <sup>6</sup> cells per vial	2.89 × 10 <sup>6</sup> cells per vial
<b>Viability (post-freeze)</b>	≥ 75%	96.6%
<b>Sterility (BacT/ALERT® 3D Microbial Detection System)</b> 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
<b>Mycoplasma Contamination</b> 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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