

**Hybridoma 2F2 Anti-*Plasmodium vivax* Circumsporozoite Protein (CSP)**

**Catalog No. MRA-184**

**Product Description:** The murine hybridoma cell line, 2F2, was generated by the fusion of NS1 myeloma cells with splenocytes from BALB/c mice immunized with sporozoites derived from *Anopheles* mosquitoes infected with *Plasmodium vivax* of Southeast Asian origin (Indo I/CDC, Ong/CDC, and New Guinea/CDC strains).

**Lot<sup>1,2</sup>: 70018744**

**Manufacturing Date: 13SEP2018**

TEST	SPECIFICATIONS	RESULTS
<b>Morphology</b>	Report results	Round and transparent
<b>Antibody Class Determination</b>	IgG2bk	IgG2bk
<b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>	Murine origin No evidence of another species	Murine origin No evidence of another species
<b>Total Cell Count</b>	> 1.0 × 10 <sup>6</sup> cells per vial	3.9 × 10 <sup>6</sup> cells per vial
<b>Post-Freeze Viability</b>	≥ 50%	82.6%
<b>Sterility (BacT/ALERT<sup>®</sup> 3D Microbial Detection System)</b> 14-day incubation of MRA-184: 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 DNA detection by PCR of test article nucleic acid	None detected None detected None detected	None detected None detected None detected

<sup>1</sup>MRA-184 lot 70018744 was produced by cultivation of MR-MRA-184 lot 63289800 in Dulbecco's Modified Eagle's Medium (DMEM; ATCC<sup>®</sup> 30-2002™) supplemented with 10% Fetal Bovine Serum (FBS, embryonic stem cell qualified; ATCC<sup>®</sup> SCRR-30-2020™) at 37°C and 5% CO<sub>2</sub> for 15 days, after which the cells were harvested.

<sup>2</sup>MRA-184 lot 70018744 was vialled in FBS supplemented with 10% dimethylsulfoxide (DMSO).

/Heather Couch/  
Heather Couch

15 FEB 2019

Program Manager or designee, ATCC Federal Solutions

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