

11

and function of cytochromes P450 2A1 (Roberts et al., 1994, supra) were identified in this cell line. None of the receptors of hepatitis B, hepatitis A and hepatitis E virus were found on the cell surface. MHC class I, MHC class II, and IFN-gamma receptor were presented on HC-04 cell surface.

Additional characterization of the cell line, e.g. additional cytochrome P450 profile and drug metabolizing capability of the cells, is in progress.

What is claimed is:

1. A continually proliferating cell line established from isolated normal human liver tissue wherein the cell line is not established on a precoated growth surface.

2. The cell line of claim 1 having the ability to support growth of a liver stage malaria parasite.

3. The cell line of claim 2 wherein said malaria parasite is chosen from the group *P. falciparum* and *P. vivax*.

4. A continually proliferating cell line established from isolated normal human liver tissue, wherein said cell line is HC-04 having ATCC accession number PTA-3441.

12

5. A method for developing liver stage malaria parasites in vitro, said method comprising infecting the cell line of claim 1 with sporozoites of said parasites.

6. A method for developing liver stage malaria parasites in vitro, said method comprising infecting the cell line of claim 1 with sporozoites of said parasites; and incubating the infected cell line in the presence of erythrocytes.

7. The method of claim 5 wherein said cell line is HC-04.

8. The method of claim 6 wherein said cell line is HC-04.

9. The method of claim 6 wherein said parasite is chosen from the group consisting of *P. falciparum* and *P. vivax*.

10. The method of claim 5 wherein said parasite is chosen from the group consisting of *P. falciparum* and *P. vivax*.

11. The method of claim 7 wherein said parasite is chosen from the group consisting of *P. falciparum* and *P. vivax*.

12. The method of claim 8 wherein said parasite is chosen from the group consisting of *P. falciparum* and *P. vivax*.

\* \* \* \* \*