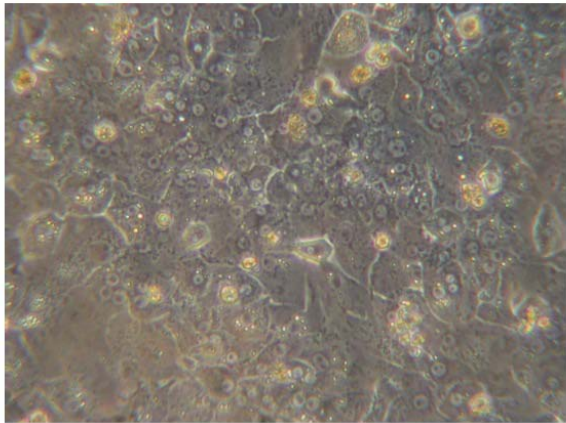
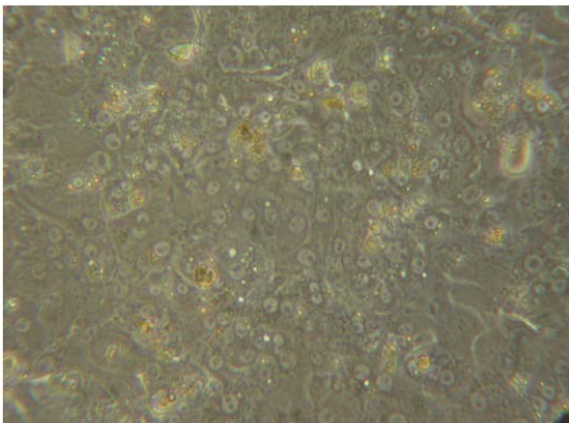


| <b>HHCP-I Cryopreserved Plateable Human Hepatocytes for Induction</b>  |  |   |
|--|--|---|
| <b>Cell Specification</b>  |  |   |
| Lot HH160512-2   |  | Batch Release: July 01, 2016  |
| Species: Human   | Gender: female   | Age: 73 years   |
| Cryopreservation:<br>Date: May 12, 2016<br>Amount per vial: 10.6 x 10 <sup>6</sup> cells   | Thawing:<br>Post-thaw viability: 74.7 %<br>Post-thaw yield per vial: 5.2 x 10 <sup>6</sup> cells<br>Recovery: 49 % |   |
| Phase contrast on day 2 after thawing  |  | Phase contrast on day 3 after thawing   |
|    |  |  |
| Recommended seeding density on collagen-coated plates: 284,000 cells per cm <sup>2</sup><br>Culture in Human Hepatocyte Maintenance Medium (HHMM). |  |   |
| CYP P450 activity in culture after thawing:  | pmol/(mg × min)  | x-fold induction  |
| Ethoxyresorufin-O-deethylation:  |  |   |
| Induction with 10 µM beta-naphthoflavon  | 7.5 ± 3.8  | 2.8   |
| Induction with 25 µM beta-naphthoflavon  | 52.7 ± 3.4   | 19.7  |

Note: Yield, viability, recovery and activity assays were performed at PRIMACYT using PRIMACYT's manual for thawing, plating and culture of primary cryopreserved hepatocytes.

Issued by: J. Jia

Checked by: C. Garve