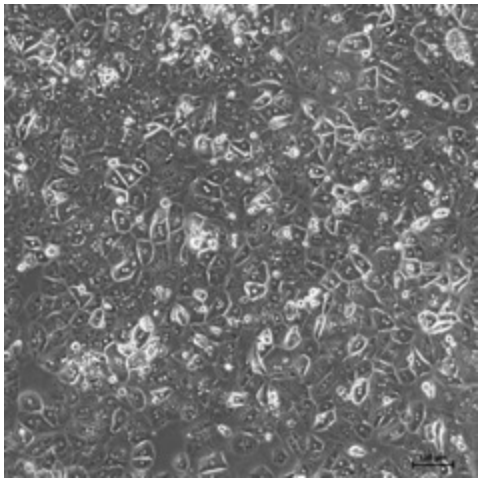
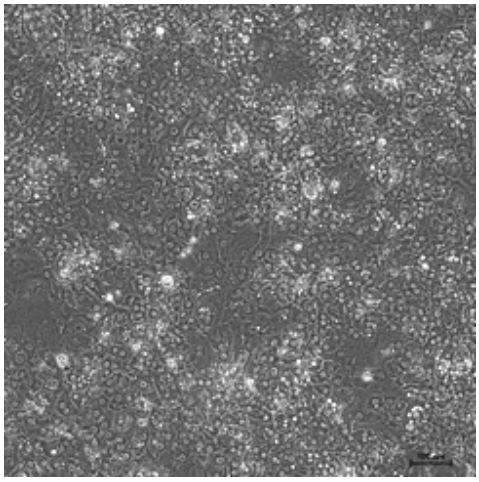
PRIMACYT
Cell Culture Technology

HHCP-I Cryopreserved Plateable Human Hepatocytes for Induction Cell Specification	
Lot HH180109	Batch Release: April 30, 2019 Updated Sept 27, 2019

Species: Human	Gender: male Age: 57 years Size: 176 cm Weight: 83 kg Non-smoker
Serology: HAV, HBV, HCV, HIV 1/2: negative	Diagnosis: liver metastasis (segment 3) of NET (neuroendocrine tumor), KI-67-Index of 3 % (G2)
Medical History: condition after hemikolektomie 2011, liver cyst segment 4 Medication: Somatuline	Therapy: atypical liver resection w/o Chemotherapy
Cryopreservation: Date: January 9, 2018 Amount per vial: 10.4 x 10^6 cells	Thawing: n=2 Post-thaw viability: 89.6 ± 2.3 % Post-thaw yield per vial: 5.4 ± 1.1 x 10^6 cells Recovery: 52 %
Phase contrast on day 1 after thawing (24well plate) 	Phase contrast on day 3 after thawing (24well plate) 

Recommended seeding density on collagen-coated plates:
24well plate – 540,000 cells/well
96well plate – 90,000 cells/well
Use Corning collagen coated plates.
Culture in Human Hepatocyte Maintenance Medium (HHMM).

CYP P450 activity in culture after thawing:	pmol/(mg × min)	x-fold induction
Ethoxyresorufin-O-deethylation:	24well: 24.9 ± 0.6	40.9
Induction with 25 µM beta-Naphthoflavone	96well: 65.1 ± 16.0	37.5

E-mail: info@primacyt.com, Tel.: +49 (0) 385-3993-600, Fax: +49 (0) 385-3993-602

PRIMACYT
Cell Culture Technology

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

Store at -150 °C or in the vapour phase of LN_2

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by: A. Ullrich	Verified by: T. Krimmling
Updated by:	Verified by: C. Garve

E-mail: info@primacyt.com, Tel.: +49 (0) 385-3993-600, Fax: +49 (0) 385-3993-602