

Product Characterization Sheet

HH1144

Human Hepatocytes, Catalog Number 82006

Classification

Grade	Highest Quality: 999Elite™
Plateability	Plateable
Viability	≥90%
Confluency	>90%
Culture Duration	>9 Days
P450 Inducibility	Inducible (CYP1A2, CYP2B6, CYP3A4)

Donor Demographics

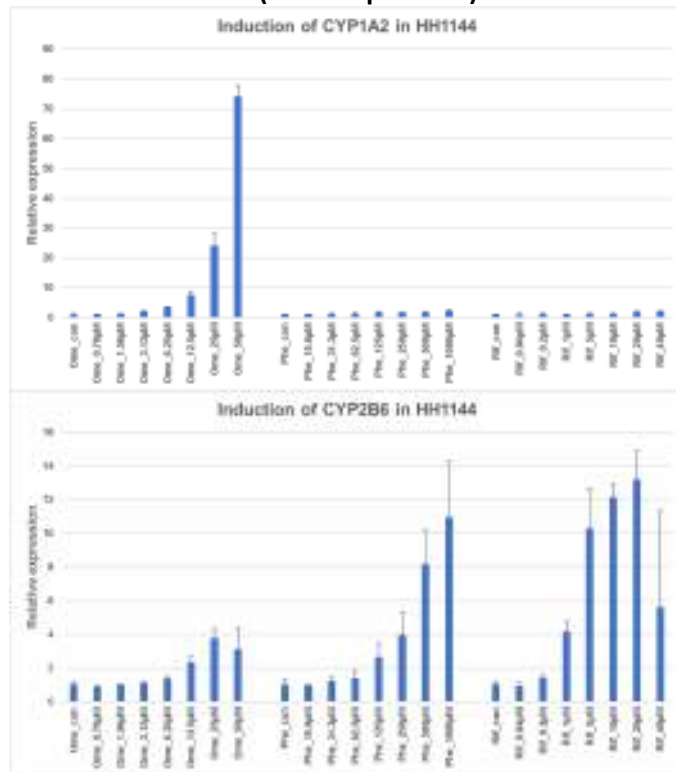
Gender	Female
Age	24 years
Race	Caucasian
Cause of death	Drug Intoxication/Anoxia
BMI	22.65
Smoking	Yes
Alcohol	Yes
Substance abuse	Yes
Medical history	N/A
Infectious diseases	HBV-, HCV-, HIV-, CMV-

Post-thaw Viability and Yield

Viability	90 %
Yield	7.9 million

Characterization: Hepatocytes were thawed using 37°C UCRM™ and centrifuged for 10 minutes at 100g. After removing the supernatant, hepatocytes were re-suspended in UPCM™ and counted for viability and yield using the Trypan Blue exclusion method. Cells were plated in a hand-coated collagen 24-well plate at a 0.7 million cells per mL density, 0.5 mL per well, and allowed to attach 4-6 hours prior to a Matrigel® overlay.

P450 Fold Induction (Gene Expression)



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Monolayer Comments: It is recommended to seed HH1144 at a seeding density of 0.7 million cells per mL. HH1144 has an excellent attachment efficiency of 100 % and a confluency of 100 % by 24 hours. This lot exhibits excellent morphology and continue to develop a 100 % confluency by day 4. This lot remains intact for over 5 days in culture.

IVAL cell culture media and tissue culture plates used in this evaluation:

- Recovery of thawed hepatocytes - Cat. No. 81015 - UCRM™ Universal Cryopreservation Recovery Media, 50 mL tube
- Initial plating of hepatocytes - Cat. No. 81016 - UPCM™ Universal Primary Cell Plating Media, 50 mL tube
- Sandwich culture with 0.25 mg Matrigel® - Cat. No. 81018/81019 - HIM™ Hepatocyte Induction Media, 50 mL tube/500 mL bottle
- Suspension and incubation of hepatocytes - Cat. No. 81039/81040 - HQM™ Hepatocyte Incubation Media, 50 mL tube/500 mL bottle
- Collagen coated plates - Cat. No. 71006, 71008 - CellAffix™ 24-well and 96-well Collagen Hand Coated tissue culture plate, 5 plates per pack

To inquire about our products and services or for technical questions please contact:

- In Vitro ADMET Laboratories by phone at +1 (866) 458-1094 or +1 (410) 869-9037 or email at info@invitroadmet.com