

## Certificate of Analysis

### Product Description

Product Name	Primary Human Hepatocytes, Induction Qualified, Plateable
Cat Number	T0128
Lot Number	HUM4055B
Quantity	1 x 10 <sup>6</sup> cells/1.0ml
Source Organism	Homo sapiens
Source Organ	Liver
Freezing Medium	Cryopreservation Medium (TM024)
Date of Cryopreservation	Feb 26, 2015
QC Evaluation Medium	PriGrow X (TM100)

### Donor Demographics

Sex	<i>Female, Caucasian</i>	Age	54
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### Post-thaw Viability and Cell Quality Assessment

Centrifuge Conditions	100 g for 8 minutes
% Viability (post-thaw)	90%

### Monolayer Assessment

Initial Attachment Efficiency	85%
Monolayer Confluency after 48 hours in culture	85%
Well format	24-well



HUM4055B, 48 hrs, 10X

### Induction

Isoforms	Control Inducer	Fold Induction Specific Activity (72 hours)	Fold Induction mRNA (48 hours)
CYP1A2	50µM Omeprazole	22.8	14.2
CYP2B6	1 mM Phenobarbital	19.6	6.7
CYP3A4	10µM Rifampicin	4.7	9.6

Cryopreserved human hepatocytes were thawed and plated on 24-well collagen I coated plates, overlaid with Matrigel®, then dosed in triplicate with vehicle control (0.1% DMSO) or control inducers. The fold induction was calculated by dividing the induced level by the vehicle control level.

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Please contact a technical service representative for more information.

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