

Male Gottingen Minipig Hepatocytes – Pooled, Cryopreserved

Product: M00615 | Lot: VEW

Storage: ≤ -150 °C

Post-Thaw Viability and Yield

Viability	≥ 75% post-thaw viability by trypan blue exclusion	88	%
Yield	≥ 5 million viable cells	8.84	million viable cells
Donors	Number of donors in pool	3	

Post-thaw viability and yield are an average of samples from the beginning, middle, and end of the production run. All data generated without the use of Percoll.

Metabolic Activity

	Enzyme	Substrate	Conc. [μM]	Metabolite	Result**
ECOD	7-Ethoxycoumarin O-deethylation	7-ethoxycoumarin	75	7-HC, 7-HCG, and 7-HCS*	60.6
UGT	7-Hydroxycoumarin glucuronidation	7-hydroxycoumarin	30	7-HCG	450
UGT	7-Hydroxycoumarin sulfation	7-hydroxycoumarin	30	7-HCS	5.88

*7-Hydroxycoumarin (7-HC), 7-Hydroxycoumarin glucuronide (7-HCG), 7-Hydroxycoumarin sulfate (7-HCS)

**Metabolite rate of formation is measured in pmol/min/10⁶ cells

Metabolic assays are run in triplicate. Activity results analyzed by HPLC-UV or LC/MS/MS validated procedures. Metabolite formation for all enzymes is measured after a 60 min. cell incubation at 37°C, 5% CO₂ resulting in a final conc. of 1 million cells/mL.

Results for this lot have been derived through validated testing methods and confirmed by Quality Assurance.

Caution: This product is for research use only. Do not use in animals or humans. This product has not been approved for any diagnostic or clinical procedures.

*As of March 5th, 2018, "BioIVT" will replace the current brand of BioreclamationIVT and those of each of its affiliates and subsidiaries: IVT Holdings Inc., Asterand Bioscience, Inc., Asterand UK Acquisition limited, Asterand US Acquisition Corporation, Labquote.com LLC, ILSBio LLC, Seratrials LLC, Sera Laboratories International Ltd., Translational Cell Science LLC, Bioreclamation-IVT India Private Limited, In Vitro Inc., In Vitro GmbH, Qualyst Holdings LLC, Qualyst Transporter Solutions LLC.

M00615.6 | Page 1 of 1