Male ICR/CD-1 Mouse Hepatocytes – Pooled, Cryopreserved

Product: M005052 | Lot: NTH

Storage: *≤ **-150** °C*

Post-Thaw Viability and Yield

Viability[1]	≥ 70% post-thaw viability by trypan blue exclusion	**73**	%
Yield	≥ 5 million viable cells	**7.72**	million viable cells
Donors	Number of donors in pool	**36**	

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*	**114**
UGT	7-Hydroxycoumarin glucuronidation	7-hydroxycoumarin	30	7-HCG	**256**
ST	7-Hydroxycoumarin sulfation	7-hydroxycoumarin	30	7-HCS	**35.0**

**7-Hydroxycoumarin (7-HC), 7-Hydroxycoumarin glucuronide (7-HCG), 7-Hydroxycoumarin sulfate (7-HCS)*
***Metabolite rate of formation is measured in pmol/min/10^6 cells*

Metabolic assays are run in triplicate. Activity results analyzed by HPLC-UV validated procedures. Metabolite formation for all enzymes is measured after a 60 min. cell incubation at 37°C, 5% CO_2 resulting in a final conc. of 1 million cells/mL.

[1] Refer to EVENT-2022-0050

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

Caution: *This product is being sold for research and/or manufacturing purposes only. The biological samples supplied by BioIVT, or any material isolated from the samples, are for in-vitro research use only and are not to be used as a source of material for clinical therapies. Human material may be used in vivo in animals. The user assumes all responsibility for its usage and disposal, in accordance with all regulations.*

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