

## Male Beagle Dog Hepatocytes – Pooled, Cryopreserved

**Product: M00205 | Lot: KLV**

**Storage: ≤ -150 °C**

### Post-Thaw Viability and Yield

<b>Viability</b>	≥ 75% post-thaw viability by trypan blue exclusion	<b>80</b>	%
<b>Yield</b>	≥ 5 million viable cells	<b>5.9</b>	million viable cells
<b>Donors</b>	Number of donors in pool	<b>3</b>	

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**
<b>ECOD</b>	7-Ethoxycoumarin O-deethylation	7-ethoxycoumarin	75	7-HC, 7-HCG, and 7-HCS*	<b>307</b>
<b>UGT</b>	7-Hydroxycoumarin glucuronidation	7-hydroxycoumarin	30	7-HCG	<b>190</b>
<b>ST</b>	7-Hydroxycoumarin sulfation	7-hydroxycoumarin	30	7-HCS	<b>92.9</b>

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

\*\*Metabolite rate of formation is measured in pmol/min/10<sup>6</sup> 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% CO<sub>2</sub> 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 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.