

Male C57BL/6 Mouse S9 – Liver, Pooled, Frozen, 30 mg @ 20 mg/mL

Product: M00512 | Lot: ZLT

Storage: ≤ -70 °C

### Protein & P450 Concentration

Protein	20 – 26 mg/mL	21.5	mg/mL
Total P450	nmol/mg	BQL	nmol/mg
Volume	≥ 1.5 mL	1.55	mL
Donors	Number of donors in pool	300	donors

Protein and P450 values are average concentration of samples from the beginning, middle, and end of the production run.

### Metabolic Activity

Enzyme	Substrate	Conc. [µM]	Metabolite	Result**
ECOD	7-Ethoxycoumarin O-deethylation	75	7-HC, 7-HCG, and 7-HCS*	316
*7-Hydroxycoumarin (7-HC), 7-Hydroxycoumarin glucuronide (7-HCG), 7-Hydroxycoumarin sulfate (7-HCS)				
**Metabolite rate of formation is measured in pmol/min/mg				

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 30 minute incubation at 37°C, 5% CO<sub>2</sub> and a final protein concentration of 0.5 mg.

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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