

Male Beagle Dog S9 – Liver, Pooled, Frozen, 30 mg @ 20 mg/mL

Product: M00202 | Lot: MNL

Storage: ≤ -70 °C

Protein & P450 Concentration

Protein	20 – 26 mg/mL	22.7	mg/mL
Total P450	nmol/mg	0.151	nmol/mg
Volume	≥ 1.5 mL	1.56	mL
Donors	Number of donors in pool	3	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*	330
*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% CO₂ 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.

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