

Male New Zealand White Rabbit S9 – Liver, Pooled, Frozen,
30 mg @ 20 mg/mL

Product: M00402 | Lot: YOT

Storage: ≤ -70 °C

Protein & P450 Concentration

Protein	20 – 26 mg/mL	21.6	mg/mL
Total P450	nmol/mg	0.562	nmol/mg
Volume	≥ 1.5 mL	1.59	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	7-ethoxycoumarin	75	7-HC, 7-HCG, and 7-HCS*	694
	*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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