

Sheep Liver Subcellular fractions

Product specification – Certificate of Analysis (CoA)

Lot SL190221

Batch Release: March 19, 2019;
updated: June 01, 2023

Product information

Product number	Product description	Amount	Protein content
SL-MIC-101	Sheep liver microsomes fraction, male, single donor	0.5 mL	20 mg/mL
SL-CYT-101	Sheep liver cytosol fraction, male, single donor	0.5 mL	20 mg/mL

Donor data

Species: Suffolk sheep	Gender: male Age: approx. 6 months
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Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)	
		Microsomes	Cytosol
CYP1A2	Phenacetin-O-deethylase	95.3 ± 13.4	-
CYP2A6	Coumarin-7'-hydroxylase	2.9 ± 0.9	-
CYP2B6	Bupropion-hydroxylase	2.7 ± 0.2	-
CYP2C9	Diclofenac 4'-hydroxylase	9.4 ± 1.8	-
CYP2C19	Mephenytoin 4'-hydroxylase	0.17 ± 0.02	-
CYP2E1	Chlorzoxazone 6'-hydroxylase	45.7 ± 11.7	-
CYP3A4	Midazolam 1'-hydroxylase	3.8 ± 0.8	-
UDP-GT	UDP-Glucuronosyltransferase	-	-
SULT	Sulfotransferase	-	76.5 ± 3.8

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/mL protein in 0.1 M Phosphate buffer at 37 °C for 15 min (phase I) and 30 min (phase II).

Store at -80 °C.

This product should be considered as potential biohazard. Only intended for *in vitro* use.

Issued by: M. Reu

Verified by: K. Damrau