

Beagle Liver Subcellular fractions
Product specification – Certificate of Analysis (CoA)

Lot BL190801

Batch Release: June 01, 2023

Product information

Product number	Product description	Amount	Protein content
BL-S9-101	Beagle liver S9 fraction, male, single donor	0.5 mL	20 mg/mL

Donor data

Species: Beagle	Gender: male Age: 4 years 2 months
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Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		S9 Fraction
CYP1A2	Phenacetin-O-deethylase	3.2 ± 0.1
CYP2A6	Coumarin-7'-hydroxylase	not detectable
CYP2B6	Bupropion-hydroxylase	0.96 ± 0.03
CYP2C9	Diclofenac 4'-hydroxylase	9.8 ± 0.5
CYP2C19	Mephenytoin 4'-hydroxylase	BLQ
CYP2E1	Chlorzoxazone 6'-hydroxylase	7.7 ± 1.4
CYP3A4	Midazolam 1'-hydroxylase	35.6 ± 3.2
UDP-GT	UDP-Glucuronosyltransferase	3017.8 ± 67.8
SULT	Sulfotransferase	63.4 ± 7.1

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). Values are expressed as mean ± SD. BLQ = below level of quantification.

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