

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

Lot BL210111 (Pool of 5)

Batch Release: August 2, 2022

Product information

Product number	Product description	Amount	Protein content
BL-S9-1P5	Beagle liver S9 fraction, male, pool of 5	0.5 mL	20 mg/mL

Donor data

Species: Beagle
Gender: male

Age:
donor 1: 7 months
donor 2: 8 months
donor 3: 8 months
donor 4: 9 months
donor 5: 1 year and 7 months

Equal amounts of liver tissues were pooled to generate subcellular fractions.

Enzyme assay results

Enzyme (Human isoforms)	Assay	Enzyme activities (nM/min)
		S9 Fraction
CYP1A2	Phenacetin-O-deethylase	11.9 ± 1.0
CYP2A6	Coumarin-7'-hydroxylase	0.2 ± 0.1
CYP2B6	Bupropion-hydroxylase	12.5 ± 1.0
CYP2C9	Diclofenac 4'-hydroxylase	2.7 ± 0.1
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	not detectable
CYP3A4	Midazolam 1'-hydroxylase	63.3 ± 4.0
UDP-GT	UDP-Glucuronosyltransferase	4772.1 ± 188.7
SULT	Sulfotransferase	127.4 ± 10.0

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.

Store at -80 °C.

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

Issued by: M. Reu

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