

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

Lot GL210615 (Pool of 2)

Batch Release: August 2, 2022

Product information

Product number	Product description	Amount	Protein content
GL-S9-1P2	Goat liver S9 fraction, male, pool of 2	0.5 mL	20 mg/mL

Donor data

Species: Goat (Capra)
Gender: male

Age:
donor 1 and 2: 11 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	18.5 ± 4.5
CYP2A6	Coumarin-7'-hydroxylase	0.3 ± 0.1
CYP2B6	Bupropion-hydroxylase	8.8 ± 3.4
CYP2C9	Diclofenac 4'-hydroxylase	2.2 ± 0.1
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	not detectable
CYP3A4	Midazolam 1'-hydroxylase	11.5 ± 1.5
UDP-GT	UDP-Glucuronosyltransferase	4865.8 ± 125.3
SULT	Sulfotransferase	141.6 ± 14.9

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

Verified by: A. Ullrich