

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

Lot CL210315 (Pool of 5)

Batch Release: August 2, 2022

Product information

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

Donor data

Species: Cynomolgus (<i>Macaca fascicularis</i>) Gender: male	Age: donor 1: 4 years and 2 months donor 2: 5 years and 4 months donor 3: 6 years and 1 month donor 4: 6 years and 6 months donor 5: 7 years and 2 months
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Serology: SIV, SRV, STLV-1, B-Virus, Ebola: negative for all donors

All animals were kept under controlled conditions and veterinary care. The animals did not show any clinical signs and/or lesions of contagious disease at the time of euthanasia.

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	36.5 ± 4.8
CYP2A6	Coumarin-7'-hydroxylase	2.4 ± 0.2
CYP2B6	Bupropion-hydroxylase	87.7 ± 4.8
CYP2C9	Diclofenac 4'-hydroxylase	6.9 ± 0.5
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	29.6 ± 5.9
CYP3A4	Midazolam 1'-hydroxylase	136.8 ± 19.5
UDP-GT	UDP-Glucuronosyltransferase	4711.0 ± 170.0
SULT	Sulfotransferase	52.6 ± 7.9

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