

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

Lot CL210506 (Pool of 5)

Batch Release: August 4, 2022

Product information

Product number	Product description	Amount	Protein content
CL-S9-2P5	Cynomolgus liver S9 fraction, female, pool of 5	0.5 mL	20 mg/mL

Donor data

Species: Cynomolgus (*Macaca fascicularis*)
Gender: female

Age:
donor 1: 3 years and 10 months
donor 2: 4 years and 8 months
donor 3: 4 years and 10 months
donor 4: 5 years and 7 months
donor 5: 6 years and 4 months

Serology: SIV, SRV, STLV, B-Virus, Ebola: negative

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	24.9 ± 7.3
CYP2A6	Coumarin-7'-hydroxylase	2.9 ± 0.3
CYP2B6	Bupropion-hydroxylase	89.6 ± 5.4
CYP2C9	Diclofenac 4'-hydroxylase	6.5 ± 0.5
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	20.7 ± 1.4
CYP3A4	Midazolam 1'-hydroxylase	159.6 ± 6.3
UDP-GT	UDP-Glucuronosyltransferase	5079.3 ± 657.4
SULT	Sulfotransferase	46.1 ± 4.5

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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