

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

Lot QL211216 (Pool of 4)

Batch Release: August 4, 2022

Product information

Product number	Product description	Amount	Protein content
QL-S9-3P4	Quail liver S9 fraction, diverse gender, pool of 4	1.0 mL	10 mg/mL

Donor data

Species: Quail (*Colinus virginianus*)

Gender: diverse

Age of all donors: approx. 2 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	5.4 ± 0.7
CYP2A6	Coumarin-7'-hydroxylase	not detectable
CYP2B6	Bupropion-hydroxylase	17.2 ± 1.1
CYP2C9	Diclofenac 4'-hydroxylase	0.9 ± 0.2
CYP2C19	Mephenytoin 4'-hydroxylase	not detectable
CYP2E1	Chlorzoxazone 6'-hydroxylase	not detectable
CYP3A4	Midazolam 1'-hydroxylase	2.3 ± 0.6
UDP-GT	UDP-Glucuronosyltransferase	2231.8 ± 63.4
SULT	Sulfotransferase	212.9 ± 5.8

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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