

Subcellular fractions	
Lot CCL200702-2 (Pool of 4)	Batch Release: August 11, 2020 – Updated July 21, 2023

Species: Common Carp (<i>Cyprinus carpio</i>) Acclimation temperature: 13.7 ± 0.8 °C Age: approx. 2 years	Number and gender of animals: 4 (2 female, 2 male) sexual immature All animals were kept under controlled housing conditions.
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Animal characteristics:

Donor	1	2	3	4
Gender	male		female	
Fish weight (g)	327	312	294	387
Liver weight (g)	13.2	10.3	11.4	12.2
Gonad weight (g)	1.15	0.85	0.06	0.18
GSI (gonad weight/fish weight)	0.35	0.27	0.02	0.05

GSI = Gonadosomatic index

Product Code	Product Description	Amount	Protein content
CCL-S9-3P4	Common Carp S9 Fraction, mixed gender	0.5 ml	10 mg/ml

Phase I and Phase II metabolism: Determination of enzymatic activities in suspension	
Assay	Enzyme activity (nM/min) mean ± SD
Phenacetin-O-deethylase	0.54 ± 0.10
Coumarin-7'-hydroxylase	0.06 ± 0.02
Bupropion-hydroxylase	0.12 ± 0.03
Diclofenac-4'-hydroxylase	5.69 ± 0.93
Midazolam-1'-hydroxylase	0.32 ± 0.12
Mephenytoin-4'-hydroxylase	0.13 ± 0.01
Chlorzoxazone-6'-hydroxylase	0.14 ± 0.06
UDP-Glucuronosyltransferase	35.6 ± 9.3
Sulfotransferase	8.19 ± 0.42

Note: Activity assays were performed at PRIMACYT GmbH. The assays were conducted at 1 mg/ml protein in 0.1 M Phosphate buffer at 14 °C for 15 min (Phase I) and for 30 min (Phase II).

Animal husbandry conditions: After an acclimation period of 1 week

Water temperature (°C)	14.1 ± 1.0
pH	8.1 ± 0.1
NH ₄ (mg/l)	0.05 ± 0.06
NO ₂ (mg/l)	0.05 ± 0.03
NO ₃ (mg/l)	12.0 ± 1.6
Carbonate hardness (°dH)	8.1 ± 0.3
Salinity (‰)	0.2 ± 0.0

Store at -80 °C.

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

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