

Subcellular fractions	
Lot RTL200629-1 (Pool of 5)	Batch Release: August 24, 2020

Species: Rainbow trout ( <i>Oncorhynchus mykiss</i> ) Strain: Christophersen, Bornhoeved Supplier: Fish breeding Christophersen Acclimation temperature: 8.8 ± 3.4 °C Age: approx. 1.5-2 years	Number and gender of animals: 5 (4 female, 1 male) sexual immature All animals were kept under controlled housing conditions.
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**Animal characteristics:**

Donor	1	2	3	4	5
Gender	male	female			
Fish weight (g)	437	461	514	476	438
Liver weight (g)	4.4	4.4	5.9	5.3	4.6
Gonad weight (g)	0.15	1.04	0.97	0.74	1.35
GSI (gonad weight/fish weight)	0.04	0.23	0.19	0.16	0.31

GSI = Gonadosomatic index

Product Number	Product Description	Amount	Protein content
RTL-S9-200629-1	Rainbow trout S9 Fraction, mixed gender	0.5 ml	20 mg/ml

Phase I and Phase II metabolism: Determination of enzymatic activities in suspension	
Assay	Enzyme activity (nM/min) mean ± SD
Phenacetin-O-deethylase	3.09 ± 0.15
Coumarin-7'-hydroxylase	0.06 ± 0.00
Bupropion-hydroxylase	0.29 ± 0.01
Diclofenac-4'-hydroxylase	3.99 ± 0.25
Chlorzoxazone-6'-hydroxylase	0.46 ± 0.03
Midazolam-1'-hydroxylase	1.78 ± 0.07
UDP-Glucuronosyltransferase	306.6 ± 38.1
Sulfotransferase	53.1 ± 5.1

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 acclimation period of 2 weeks

Stocking rate (kg/m <sup>3</sup> )	2.2 ± 1.1
Water temperature (°C)	11.4 ± 0.6
pH	8.0 ± 0.1
NH <sub>4</sub> (mg/l)	3.0 ± 1.0
NO <sub>2</sub> (mg/l)	0.65 ± 0.69
NO <sub>3</sub> (mg/l)	4.9 ± 1.6
Carbonate hardness (°dH)	9.6 ± 0.6
Salinity (‰)	0.18 ± 0.06

**Store at -80 °C.**

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

Issued by J. Krinitskij

Checked by C. Garve