

Subcellular fractions	
Lot RTL200629-2 (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)	519	462	394	522	455
Liver weight (g)	5.7	4.4	4.1	6.5	4.5
Gonad weight (g)	0.24	0.88	0.49	1.16	0.65
GSI (gonad weight/fish weight)	0.05	0.19	0.12	0.22	0.14

GSI = Gonadosomatic index

Product Number	Product Description	Amount	Protein content
RTL-S9-200629-2	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	2.62 ± 0.32
Coumarin-7'-hydroxylase	0.06 ± 0.02
Bupropion-hydroxylase	0.23 ± 0.04
Diclofenac-4'-hydroxylase	3.15 ± 0.35
Chlorzoxazone-6'-hydroxylase	0.42 ± 0.10
Midazolam-1'-hydroxylase	1.86 ± 0.32
UDP-Glucuronosyltransferase	251.6 ± 59.2
Sulfotransferase	35.9 ± 6.0

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 ³)	2.2 ± 1.1
Water temperature (°C)	11.4 ± 0.6
pH	8.0 ± 0.1
NH ₄ (mg/l)	3.0 ± 1.0
NO ₂ (mg/l)	0.65 ± 0.69
NO ₃ (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