

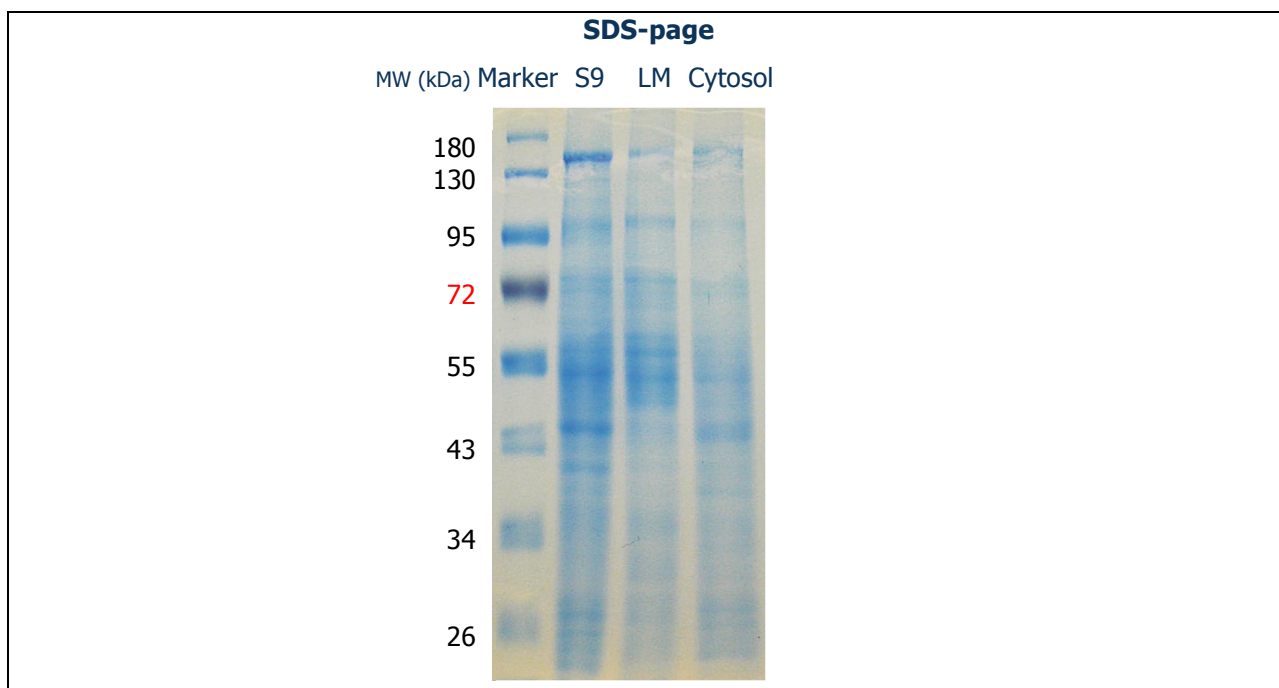
| Subcellular fractions | |
|-----------------------------|-----------------------------|
| Lot Mouse171115 (Pool of 5) | Batch Release: Jan 19, 2018 |

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| Species: CD-1 mouse (<i>Mus musculus</i>) Gender: male Age: 3 donors 2.5 months, 2 donors 2 months | Equal amount of liver tissue from each donor was pooled to generate subcellular fractions. |
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| Protein content | |
|-----------------------|------------------------------|
| S9 Fraction | 20 mg/ml in Phosphate buffer |
| Liver microsomes (LM) | 10 mg/ml in Phosphate buffer |
| Cytosol | 20 mg/ml in Phosphate buffer |

| Enzyme assay results | | | |
|----------------------------|------------------------------|--------------------------------------|------------------|
| Enzyme (Mouse isoforms) | Assay | Enzyme activities (nM/min) mean ± SD | |
| | | S9 Fraction | Liver microsomes |
| CYP1A1/2 | Phenacetin-O-deethylase | 31.8 ± 1.5 | 43.3 ± 6.2 |
| CYP2B9/10 | Bupropion-hydroxylase | 2.8 ± 0.1 | 3.8 ± 0.5 |
| CYP2C29/37/38/40/44 | Diclofenac 4'-hydroxylase | 29.1 ± 0.1 | 41.7 ± 7.2 |
| CYP2D22 | Bufuralol 1'-hydroxylase | 30.1 ± 0.3 | 25.7 ± 4.3 |
| CYP2E1 | Chlorzoxazone 6'-hydroxylase | 11.6 ± 0.4 | 20.6 ± 2.2 |
| CYP3A11/13 | Midazolam 1'-hydroxylase | 86.8 ± 1.3 | 128.3 ± 17.5 |
| UDP-GT | UDP-Glucuronosyltransferase | 10475 ± 816 | not applicable |
| SULT | Sulfotransferase | 285 ± 13 | not applicable |

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) or for 30 min (phase II).



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