

Mouse Liver Microsome Extract

Product Specifications

Catalog Number:	LYT-MM100
Source:	Pooled mouse liver samples
Application:	WB Control 20 µg/Lane recommended <i>Optimal quantity for a specific application must be determined by the investigator</i>
Concentration:	2.0 mg/mL
Format:	Shipped in SDS-PAGE sample buffer (40 mM Tris-HCl, pH. 8.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% Bromophenol Blue), heated for 10 min at 70°C
Storage:	Store at -70°C <i>Shipping conditions may differ from the recommended storage temperature. Avoid repeated freeze/thaw cycles. Recommended shelf life from date of receipt is 6 months.</i>
Related Products:	
SPA-895	HO-1 (Hsp32) Polyclonal Antibody
NEW! LYT-HM100	Human Liver Microsome Extract
NEW! LYT-RM100	Rat Liver Microsome Extract
SAB-301	Goat anti-Rabbit IgG Polyclonal Antibody, AP Conjugate
EKS-800	HO-1 (Human) ELISA Kit

Production Method:

The tissue extract was adjusted to 2mg/mL in SDS PAGE sample buffer (40 mM Tris-HCl pH 6.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% bromophenol blue) and heated for 10 min at 70°C.

Background:

Liver microsomes are subcellular particles derived from the endoplasmic reticulum of hepatic cells. Microsomes are a rich source of heme-containing metabolic enzymes, including heme-oxygenases and cytochrome P450 (CYP) enzymes, and are commonly used in the study of xenobiotic drug metabolism^{1,2}. This microsome preparation consists of pooled microsomes isolated from male CD1 mouse livers.

References:

1. Spatzenegger, M. and Jaeger, W. (1995) Drug Metab Rev. **27**, 397-417.
2. Bjornsson, T.D., et al. (2003) J Clin Pharmacol. **43**, 443-469.

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