

Pooled Wistar Rat Liver Microsomes

Cat. No. Liver Microsomes-003W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Male/Female separated pooled Wistar Rat Liver Microsomes
Species	Wistar Rat
Source	Liver
Description	The cytochrome P450 enzyme (CYP) family play a key role in hepatic elimination that occurs in the endoplasmic reticulum. Liver microsomes are the most convenient way to investigate CYP-mediated metabolism. Microsomes are a useful in vitro testing system as they contain all CYP enzymes and ensure the CYP kinetic measurements are not confused with other metabolic processes or cellular uptake. Microsomes are available from a range of species and suitable for a variety of experiments including metabolite characterization, Cytochrome P450 inhibition studies, and metabolic stability.
Qualified for	Total CYP, CCR
Applications	Wistar rat liver microsomes pooled for drug metabolism and pharmacokinetic studies. Microsomes are available from a range of species and suitable for a variety of experiments: Metabolite characterization Cytochrome P450 inhibition studies Metabolic stability
Storage	Liquid nitrogen (stable for up to 12 months) Microsomes should be transferred to liquid nitrogen storage immediately upon receipt.

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Concentration	10 mg protein/vial
Handling	Microsomes should always be pipetted gently