

MC1 Human Liver Microsomes, 50-donor Pooled

Description and Applications

High quality human liver microsomes pooled from 50 gender-balanced individuals.

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.

Specifications

Pooling	Gender-balanced pooling from 50 individuals
BCA Protein Content	10 mg protein/vial
Qualified for	CYP activity

Shipping Stability and Storage

Shipping	Liquid nitrogen
Stability and Storage	Liquid nitrogen (stable for up to 12 months)

General Guidance for Handling and Use

- **Storage:** Microsomes should be transferred to liquid nitrogen storage immediately upon receipt.
- **Handling:** Microsomes should always be pipetted gently