

Rat Biliary Excretion Model

This model is used to understand hepatic extraction, liver-specific metabolism and transporter-specific biliary excretion of your compound

Isolated Rat Liver Perfusion model offers

- Anatomically and functionally intact liver
- Bile production *in vitro*
- No interference from in vivo biochemical and neural signaling processes
- Ability to modify perfusate and analyze biliary excretion
- Measure hepatic extraction and transporter-specific biliary excretion
- Assess liver-specific metabolism

Why Absorption Systems?

Because we have the expertise to:

- Rank-order compounds for biliary excretion
- Identify transporter(s) responsible for biliary excretion
- Investigate drug-drug interactions
- Quantify hepatic extraction
- Analyze perfusate proximal and distal to the liver
- Confirm Phase I and Phase II metabolism
- Analyze test compound and metabolites in bile and distal perfusate

