

With a team of more than 400 dedicated ADME scientists, Charles River offers a complete range of *in vitro* and *in vivo* metabolism studies in support of hit-to-lead, candidate discovery, and selection for preclinical testing and clinical development programs. To explore services in depth, visit [www.criver.com/ADME](http://www.criver.com/ADME).

## IN VITRO

### Absorption

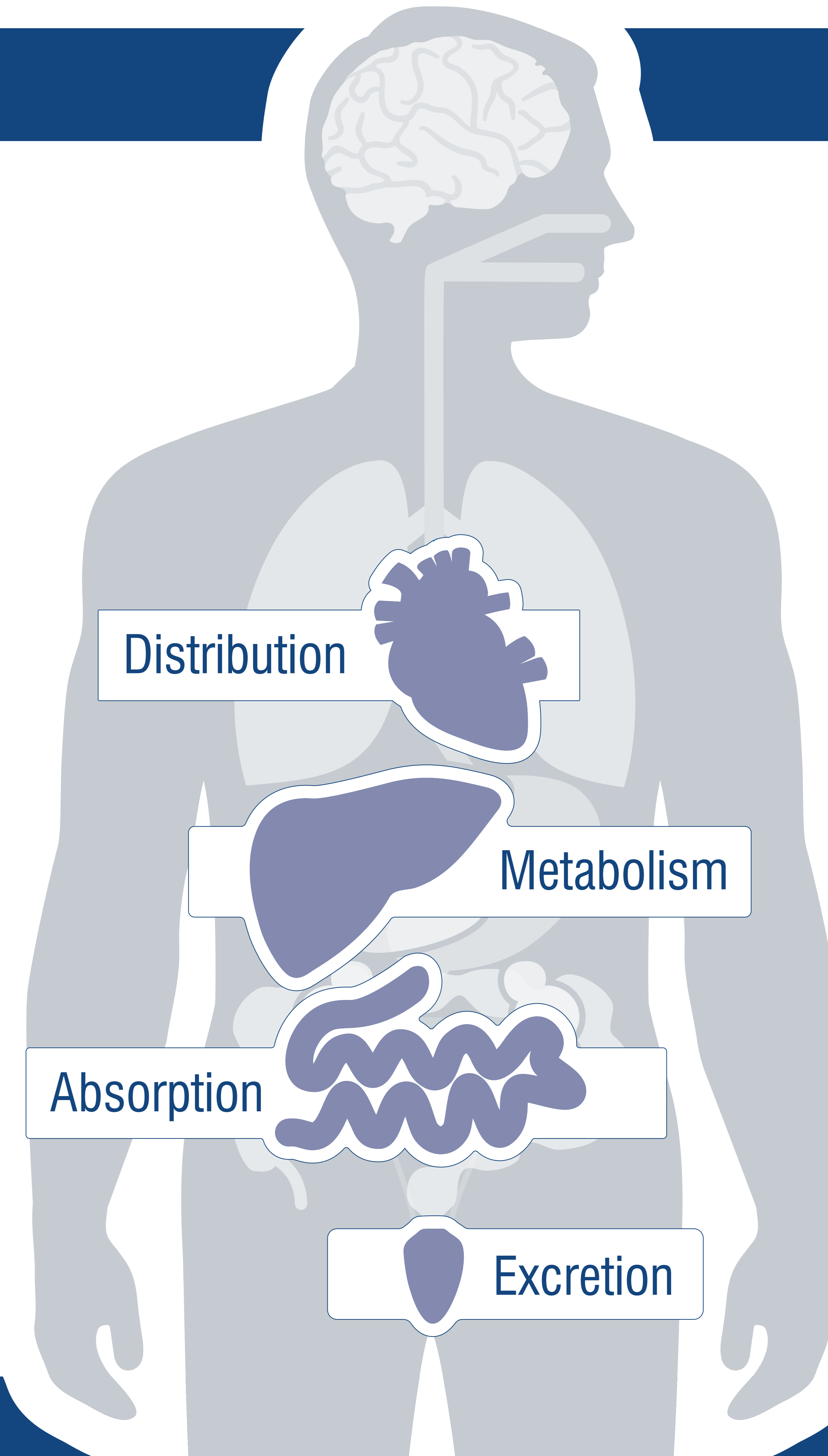
Permeability/drug transport  
Dermal absorption

### Distribution

Plasma protein binding  
RBC partitioning (blood/plasma ratio)  
Melanin binding  
Uptake/Efflux transporters  
Barrier tissue models

### Metabolism

Metabolic stability  
Metabolite profiling/identification  
Drug-drug interaction  
CYP/UGT characterization  
CYP/UGT inhibition  
CYP induction  
Reactive metabolite assessment



## IN VIVO

### Absorption

Pharmacokinetics, (non-)radiolabelled  
Dermal absorption

### Distribution

Tissue distribution/QWBA  
Cerebral fluid collection  
Metabolite profiling/identification  
Pharmacokinetics, (non-)radiolabelled

### Metabolism

Metabolite profiling/identification  
Pharmacokinetics, (non-)radiolabelled

### Excretion

Metabolism cages  
Bile cannulation  
Expired air collection