

# GastroPlus® 9.7

GastroPlus® has been identified as the #1-ranked program for *in vitro* - *in vivo* extrapolation (IVIVE) and has been the focus of numerous publications from the FDA!

## PBPK modeling software... to support research & regulatory submissions

GastroPlus is a mechanistically based simulation software package that simulates intravenous, oral, oral cavity, ocular, inhalation, dermal/subcutaneous, and intramuscular absorption, pharmacokinetics, pharmacodynamics, and DDIs in human and animal populations.

This smoothly integrated platform combines a user-friendly interface with powerful science to help you make faster and more informed project decisions!

### What's new in version 9.7?

- **ADD** lysosomal trapping effect to PBPK tissues
- **NEW** mechanistic pregnancy PBPK model (with fetus compartments)
- **NEW** multiple solubility inputs for different drug forms (crystalline, amorphous within single simulations)
- **NEW** models of standard compounds (substrates/inhibitors/inducers) in the DDI Module
- **DEFINE** different fed state conditions based on meal type
- **ALLOW** different tissue model types (perfusion- or permeability-limited) between parent and metabolites or victim/perpetrator in metabolite tracking/DDI simulations
- **NEW** PK-PD model additions to PDPlus™ Module
- **UPDATES** to the dermal absorption (TCAT™) model through Cosmetics Europe collaboration

