

GastroPlus™ 9.6

GastroPlus™ has been identified as the #1-ranked program for *in vitro* - *in vivo* extrapolation (IVIVE) and has been the focus of several 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, and pharmacodynamics in humans and animals.

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 9.6?

- **NEW!** ACAT™ model (base program): dynamic intestinal fluid model
- PBPKPlus™ Module:
 - **IMPROVED!** covariates when generating populations
 - **ADDITIONAL!** disease physiologies (obesity, renal impairment)
 - Clearance mechanisms in blood compartments
- Metabolism and Transporter Module: **NEW!** enzyme/transporter distribution information
- DDI Module: **ADDITIONAL!** compound model files for substrates & inhibitors
 - Diltiazem, posaconazole, bupropion
- IVIVCPlus™ Module **UPDATED!**
 - Time scale/shift correlation function
 - Triple Weibull function
- **IMPROVED!** output/reporting functions in all simulation modes:
 - Save selected tissue concentrations after Population Simulator run
 - Excel file formats for Batch, PSA, and Population Simulator modes
- Ocular route: Mechanistic **ENHANCEMENTS!** from FDA collaboration
- Pulmonary route: **NEW!** particle deposition models for pediatrics
- Dermal route: Default *in vitro* skin penetration model for **EASY!** IVIVE & API evaporation models
- IM & SC Injection routes: Suspension formulations and precipitation kinetics **NOW!** incorporated

