GastroPlus® 9.8

Innovative & integrative software improvements to accelerate drug development through collaborations with several large pharmaceutical companies and the U.S. FDA!

PBBM/PBPK modeling software... to support research & regulatory submissions

GastroPlus is a mechanistically based, validated software package that simulates absorption, pharmacokinetics, pharmacodyanmics, and DDIs in human and animal populations.

What's new in version 9.8?

• **SPECIAL FOCUS ON VIRTUAL BIOEQUIVALENCE:** Updated physiological CV% for gut parameters, automated execution of repeated trials & crossover studies; intra subject variability - packaged within a user friendly interface. This powerful BE trial simulator will accelerate the evaluation of biowaiver requests - for both oral and non-oral products
• **NEW!** Additional Dosage Route model; Intraarticular injections
• **NEW!** Machine learning models for transporter & clearance endpoints in the ADMET Predictor® Module.
• **UPDATED & NEW!** Validated DDI standard models
• **Large pharma collaboration:** Long Acting Injectable model extensions for IM/SC dosing routes
• **Large pharma collaboration:** Pulmonary PBPK model (PCAT™) extensions - simulation of volatile compounds & lysosomal trapping considerations
• **Large pharma collaboration:** Systemic PBPK lung model extensions
• **FDA collaboration:** Ocular model (OCAT™) extensions including; protein binding in individual tissues & topical ointment formulation
• **ENHANCEMENTS!** to the top-ranked ACAT™ model
• **NEW!** Non-pharma collaboration: Transdermal model (TCAT™) model extensions

Ocular
Oral Cavity
Pulmonary
Dermal
Oral
IM & SC Injections
Intraarticular Injections
NEW!

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