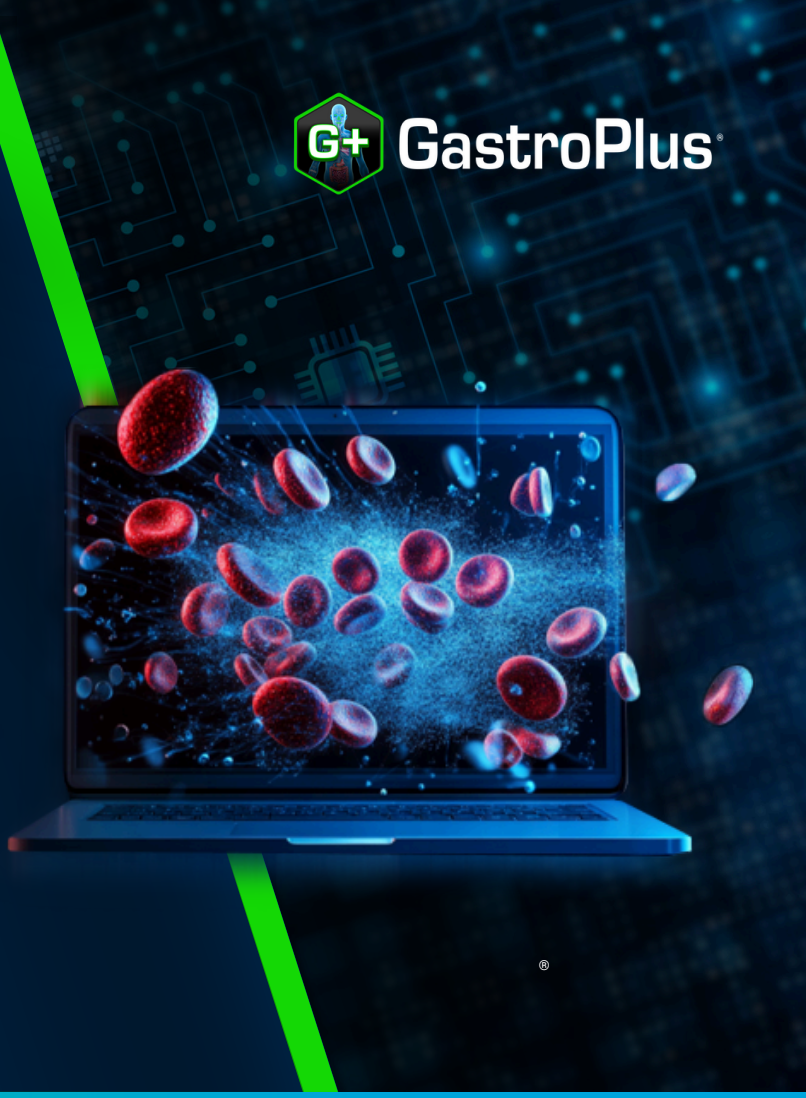
SimulationsPlus

GastroPlus®



PKPLUS™

The fitted parameters include PK properties, first order absorption rate, bioavailability and absorption lag time. Required inputs are plasma concentration vs. time profiles, dose, body weight and infusion time (if applicable). Compartmental PK models can be fitted to single IV or oral data as well as across multiple plasma concentration vs. time profiles – IV, oral, or combination of IV and oral as well as different dose levels.

What is the PKPlus™ module?

The PKPlus™ Module extends GastroPlus to rapidly estimate pharmacokinetic (PK) parameters for noncompartmental analysis (NCA), along with 1-, 2-, & 3-compartment PK models from pharmacokinetic studies (IV and/or oral) without the need to run full simulations.

The optimization and selection of the appropriate compartmental PK model is automated from a single mouse click, but you control which parameters are transferred back to the main GastroPlus model.

In the PKPlus™ module you will see:

- ✓ Plotting of predicted versus observed data across multiple models and doses allowing rapid comparison of models
- ✓ Plotting of residuals for each model allowing rapid comparison of models
- ✓ Ability to export multiple models for each compound back to the main GastroPlus model

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Interested in collaborating?

Email us! info@simulations-plus.com

Rev. 10/04/2024