

Phoenix[®] 7.0

More Powerful. More Efficient. More Value.

Phoenix is the industry's premier software workbench for managing, analyzing and reporting pharmacokinetic (PK), pharmacodynamic (PD) and toxicokinetic (TK) data. It is used worldwide by 6,000 researchers and 1,500 biopharmaceutical companies, academic institutions, and global regulatory agencies, including seven divisions within the US FDA.

You asked. We listened.

Phoenix 7.0 new features and enhancements are the direct result of user feedback we received to make the world's most advanced PK/PD software package even better. Phoenix 7.0 includes a powerful new graphics engine, improvements to the gold-standard WinNonlin[®] engine for NCA, and the introduction of first-in-class cloud support for PK/PD modeling with Phoenix NLME[™]. Take a look at what we've done to help you be more efficient.

Phoenix Workbench Enhancements

Out-of-the-box Publication-quality Graphics

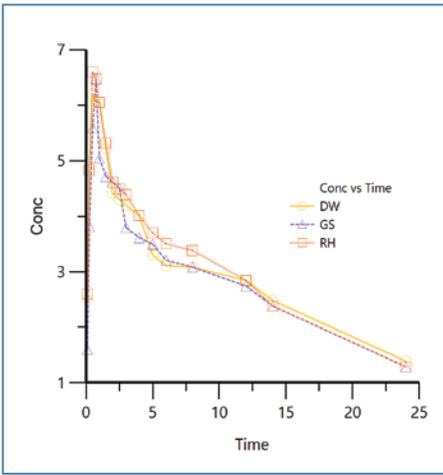
Phoenix 7.0 features a new graphics engine that generates high resolution plots and figures for publications, poster presentations, and regulatory reports, eliminating the need to use third-party graphing tools.

Greater flexibility, less editing, and greater ease-of-use:

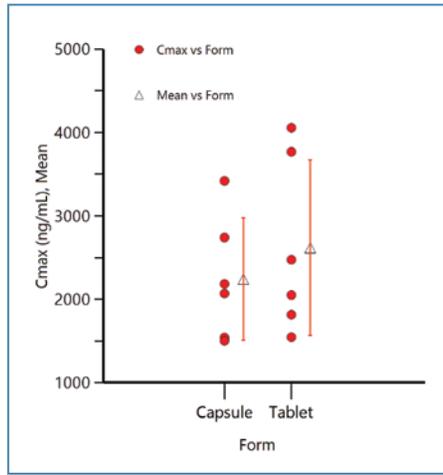
- Higher native resolution: export as images (up to 1200 dpi) and to Microsoft Word (96-300 dpi)
- Greater flexibility with fonts: new default font, more font sizes and ability to set font defaults in configuration files
- Easily export from anywhere in Phoenix 7.0 with a simple right-click
- Improved lattice plot spacing and eradicated text label overlaps

New report-ready plotting features:

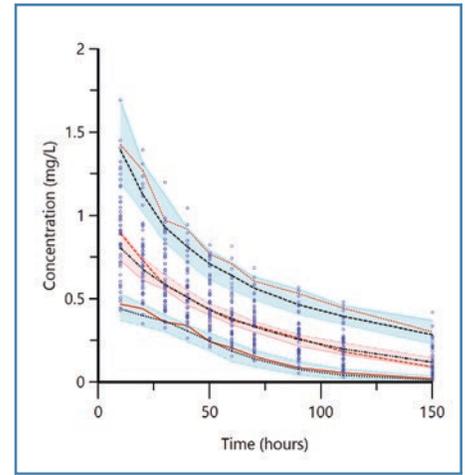
- Error bars can be included in X-Categorical plots
- Offset an overlaid plot for XY- and X-Categorical plots
- Place legends within the chart area using top/bottom/left/right docking or specify the absolute position of the legend within the plot
- Visual Predictive Check (VPC) plots include shading of secondary quantiles



Customizable Legend Placement



X-Categorical Plot with Error Bars and Offsets



VPC Plot with Shading of 2° Quantiles

New Data Layer for Improved User Experience

Phoenix 7.0 implements a new data layer. Compared to the previous version, Phoenix 7.0 delivers a 90% reduction in memory utilization, resulting in improved stability when working with large amounts of data or modeling projects. This is a benefit to any Phoenix user.



WinNonlin Enhancements

Parallel Execution Cuts Your NCA Analysis Time in Half

The industry-standard WinNonlin engine has been enhanced using parallel computing technology to conduct non-compartmental analysis (NCA) twice as fast as our previous version, cutting your analysis time in half. Since NCA is the first and most commonly used technology to analyze pharmacokinetic data, doubling the speed of analysis is of tremendous value to all WinNonlin users.

Phoenix NLME Enhancements

Phoenix NLME is the easiest-to-use nonlinear mixed effect modeling software available on the market today. The intuitive user interface is perfect for a scientist new to modeling, yet the engine is powerful enough to satisfy advanced modelers that need a robust tool for the most complicated and demanding models. Phoenix NLME is the only product that integrates model building, model execution and post-processing in a single, intuitive interface without the need to write code. Phoenix 7.0 includes improvements to Phoenix NLME that include first-in-class integrated support

for remote/parallel compute platforms, informative diagnostic messages, support for delay differential equations, and many more functions and enhancements. Phoenix NLME has become the modern modeling tool for today's scientist.

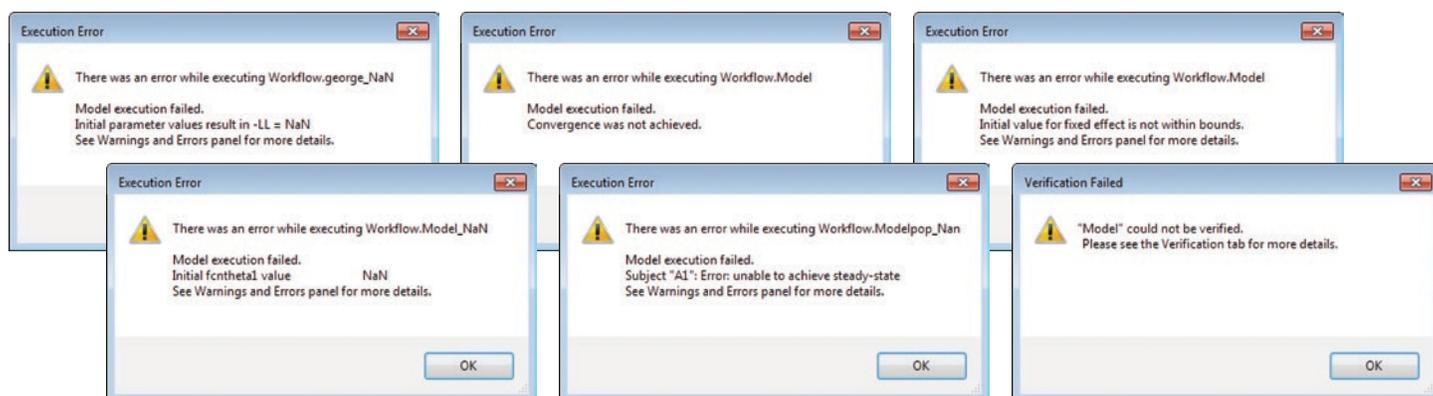
Parallel Computing - NLME Meets the Cloud

Phoenix 7.0 provides first-in-class integrated support for execution of NLME jobs on remote/parallel compute platforms including Message Passing Interface (MPI) clusters, remote Linux computers, and remote Linux grid (on your network or in the cloud including Amazon cloud), without restricting the number of cores a user can leverage. With the click of a button, users can send NLME jobs from their desktop to any remote compute platform, reducing analysis time. And when sending NLME jobs to a Linux grid, users can close the Phoenix application and the results are automatically downloaded to the project file when the job is finished. Now that's cloud support that makes a modeler's life easy!

Informative Diagnostic Messaging: Easily Determine and Diagnose Errors

Tired of troubleshooting model setup and coding errors? We are too.

New diagnostic messaging dialog boxes pinpoint model coding and setup errors and provide solutions to get you back-on-track faster. These new informative error messages, along with the context-sensitive messages during model building, help you troubleshoot your models more quickly and eliminates the need to search through text output files for answers.

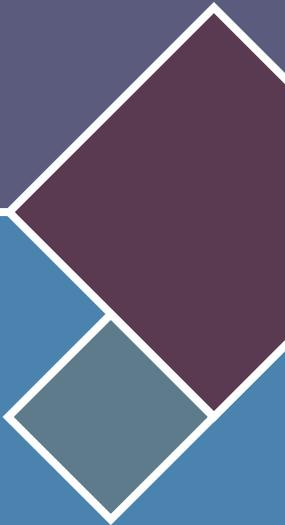


Powerful Integrated Delay Differential Equation

NLME is the first PK/PD modeling engine to offer integration of a model delay function eliminating the need to add complex lines of code for each delay differential equation (DDE). The new delay function greatly simplifies modeling delayed outcomes, an important function in several therapeutic areas such as oncology, diabetes and arthritis. In Phoenix 7.0 you can add a delay function with a single Pharsight Modeling Language (PML) command avoiding inefficient workarounds and approximations.

Are you ready to fully leverage the power of Phoenix 7.0 today?

To experience all of the new features and improvements in Phoenix 7.0 that will streamline your analyses and help you become more efficient, email us at sales@certara.com.



About Certara

Certara is a leading provider of decision support technology and consulting services for optimizing drug development and improving health outcomes. Certara's solutions, which span the drug development and patient care lifecycle, help increase the probability of regulatory and commercial success by using the most scientifically advanced modeling and simulation technologies and regulatory strategies. Its clients include hundreds of global biopharmaceutical companies, leading academic institutions and key regulatory agencies.

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