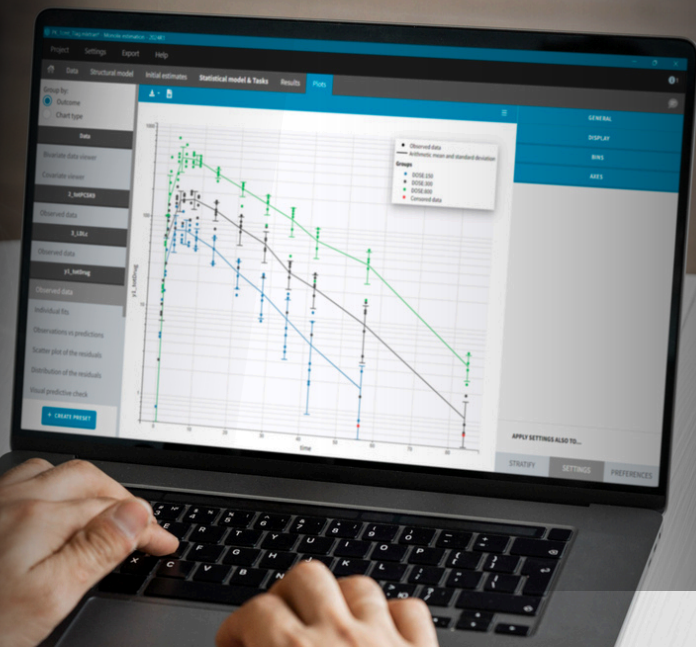




# Monolix®

Your software should make it easier to conduct population modeling, model development and diagnosis, and use that data to make the right decisions for your program.

Does it?



Functionality	Others	Monolix®
Regulatory compliance and acceptability	✓	✓
Reproducibility of results	✓	✓
Dataset formatting and exploration	✗ Possible with 3rd party software	✓ Integrated
Easy-to-use interface	✗ Possible with 3rd party software	✓
Built-in model libraries	✗ Example code for select models to adopt	✓ Extensive library includes ready-to-use PK and PKPD, TMDD, TTE, TGI and count data models
Model definition	✗ Requires coding in NMTRAN	✓ Structural model coded in MLxtran and statistical model set up in graphical interface
Automated covariate selection	✗ Possible with 3rd party software	✓ Multiple methods built-in which can be accessed through the GUI
SAEM optimization	✗ Requires mu-referencing	✓ Automatically
Presentation-quality diagnostic plots, automatically generated	✗ Requires post-processing as a separate step and the use of 3rd party software	✓ Integrated, out-of the box and customizable
Parallel computation	✓	✓ Automatically within one machine
Scripting workflow in R	✗ Possible with 3rd party software	✓ Integrated with LixoftConnectors
Allows non-compartmental analysis	✗	✓ Built-in integration with PKanalix®
Allows simulations of new scenarios	✗ Requires creation of a shell dataset that can accommodate each scenario	✓ Built-in integration with Simulx®
Support from software developer	✓	✓ Provided by a knowledgeable and responsive team of experienced modelers
Online tutorials available	✗ Some resources available, scattered across the internet	✓ Available on the SLP website and MonolixSuite™ YouTube channel, covering many topics