

ReciPredict, Value by Design:

Accelerating process development and technology transfers



ReciPredict is a platform that combines statistical modelling and simulation which facilitates QbD in product development, tech transfer and manufacture of drug products in the most efficient and reliable way. ReciPredict enables data driven, informed decisions by applying data science and digital technology to develop and manufacture drug products.

Suitable for use at every stage, from initial formulation development to commercial manufacturing, ReciPredict allows the creation of statistical models that link critical process parameters and material attributes with drug product quality attributes. As a result, it gives you a comprehensive understanding of the product to accurately predict optimum quality outcomes.

Bring your drug to market faster with ReciPredict

ReciPredict offers an in-depth and unparalleled understanding of your materials and processes without the need for traditional trial and error testing, enabling faster and more efficient drug development.

It offers significant cost savings by reducing API consumption, and de-risks technology transfers by identifying the right parameters for process robustness, consequently achieving consistent and high-quality results.

With ReciPredict you can:

- ▶ Fully understand your materials and processes and how they interact
- ▶ Streamline the clinical stage by up to 6 months
- ▶ Reduce API and material consumption by up to 70%
- ▶ Optimise formulation and process robustness.

ReciPredict offers

- ▶ A fully integrated approach to Quality by Design (QbD)
- ▶ Access to an expert data science and statistics team
- ▶ Advanced modelling tools
- ▶ Comprehensive statistical tools
- ▶ Powder characterisation (FT4, Accupyc, BET, and more)
- ▶ Compression and compaction simulator.

A flexible platform

ReciPredict is versatile and can be applied to all products and technologies, so can be used to solve complex problems across product development, as well as in technology transfers and routine manufacturing. It is an invaluable tool to help you enhance your drug development and manufacturing processes.

Where ReciPredict can transform your projects:

Development

- ▶ Physical characterisation flowability API and intermediates
- ▶ Complete evaluation (incl. BET, PSD etc) including report
- ▶ Characterisation of prototypes (granules, powders)
- ▶ Design of experiments (DoE) planning.

Technology transfer:

- ▶ Physical characterisation of API, materials and Intermediates
- ▶ Risk analysis based on above
- ▶ DoE planning for non like-to-like transfers.

Existing business:

- ▶ Evaluation of process robustness/capability.

ReciPredict platform features

ReciPredict incorporates a range of tools to support you in transforming your product development journey:

- ▶ Data analysis
 - Multivariate data analysis
 - Minitab applications
- ▶ In-silico formulations
 - Based on material characterisation
- ▶ Modelling and simulation
 - Monte Carlo simulations
 - LIGGGHTS discrete element modelling
 - Open FOAM computational fluid dynamics
 - Style One EVO compression and compaction simulation.

Interested in learning how ReciPredict can help you make more informed decisions?

ReciPredict enables data-driven, informed decisions by applying data science and digital technology to develop and manufacture drug products and can be applied across all products and projects.

To find out more about how ReciPredict can accelerate your product's journey to market, contact us today: recipharm.com/contact-us



About us

Recipharm is a leading contract development and manufacturing organisation (CDMO) headquartered in Stockholm, Sweden. We operate development and manufacturing facilities in France, Germany, India, Israel, Italy, Portugal, Spain, Sweden, the UK and the US and are continuing to grow and expand our offering for our customers. Employing over 5,200 people, we are focused on supporting pharmaceutical companies with our full service offering, taking products from early development through to commercial production. For over 25 years, we have partnered with our clients throughout the entire product lifecycle, providing pharmaceutical expertise and managing complexity, time and time again. We conduct our business as we always have and continue to deliver value for money with each customer's needs firmly at the heart of all that we do.