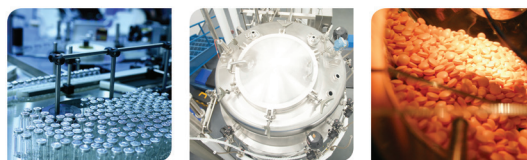




Alpha



Solid State Research and Development Services

Eurofins Alpha is an FDA-approved CDMO focused on process chemistry, cGMP scale-up and analytical method development for complex, small molecule APIs, including highly potent and complex molecules. Recently, Alpha has expanded its capabilities and expertise through creation of a new line of Solid State Research and Development (SSRD) services in support of API developmental programs, as a stand-alone service as well as a foundation for finished dosage forms services. Eurofins Alpha has many years of experience in physicochemical characterization of Solid State APIs and advanced Intermediates, a team of highly qualified scientists in Solid State Science (crystallography, material science, formulation) and state-of-the-art instrumentation to support our studies.

Strong Focus on Solid State Science

The following services on Solid State Characterization can be provided as part of an existing program or stand-alone / one-off.

Physicochemical Characterization

- Polymorphism and crystallinity study (PXRD, SCXRD, DSC)
- Particle size distribution
- Thermogravimetric analysis
- Dynamic Vapour Sorption
- Dissolution and Intrinsic Dissolution testing
- Electron Microscopy



Multi-sample Bruker D8 XRPD

API Solid Form Development

- Polymorph mapping and development
- Pharmaceutical salt screening and development
- Solvates and co-crystals screening
- Particle size engineering
- Crystallization scale-up development



Eurofins Alpha

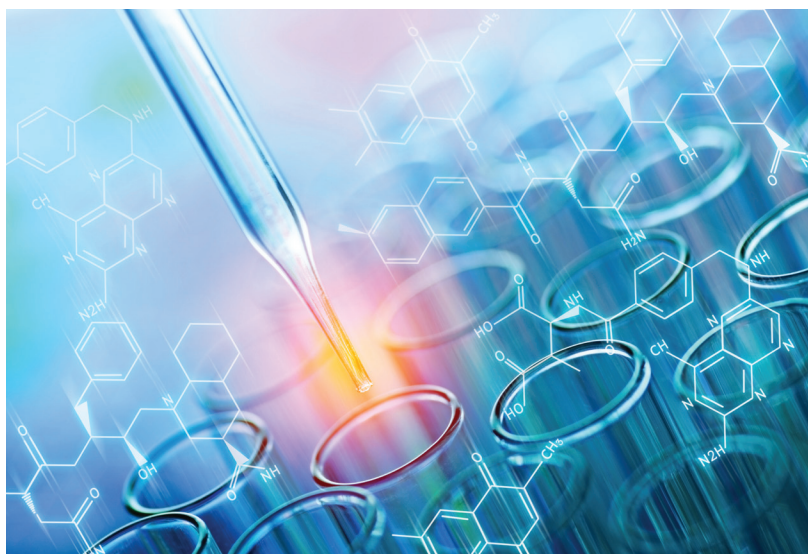
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Solid State Research and Development Services

Our API solid form Research & Development programs applies High-Throughput Screening Technology (HTST) for expeditious discovery of new polymorphs, pharmaceutical salts, solvates, co-crystals, particle size engineering and automated crystallization services.



Some of the benefits of the HTST include a reduction in cost, manpower, time, a 100s-fold reduction in API quantities required for studies. A combination of the HTS robotic station for crystallization screening and a multi-sample PXRD equipment (Bruker D8 Discover HTS) enables concurrent analysis of up to 400 samples.

High-Throughput Screening Technology applications

- Screening for discovery of new polymorphs, pharmaceutical salts, solvates, co-crystals etc.
- Particle size engineering and development
- Automated crystallization scale-up development

