

Polymorph screening chemistry services CRO, Onyx Scientific, announces the continued strong growth of its solid-state services

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Polymorph screening specialists, Onyx Scientific Ltd – chemistry outsourcing partner to the pharma and biotech industries – today announced the record-breaking growth of its solid-state chemistry services for the discovery, analysis and scale-up of polymorphs, hydrates, amorphous phases, salts and co-crystals of Active Pharmaceutical Ingredients (APIs).

In close partnership with an international client base and often working with just a few grams of precious API material, Onyx Scientific performs highly specific polymorph screening at all stages of the drug discovery process, to both pinpoint as many crystal forms as possible, for IP protection, and to select the candidate with optimal solid-state properties.

“Polymorphs are best discovered sooner rather than later and the ultimate goal is to make sure you have the best one ” explains Tony Flinn, CEO, Onyx Scientific. “Choosing an appropriate form demands systematic screening and characterization. At Onyx we utilise a 96 well plate work flow combined with 2D X-ray Powder Diffraction, high throughput Raman Spectroscopy and an automated Zinsser Crissy platform”.

Recognised as a major strength, Onyx Scientifics’ founders and elite scientific team have the pharma industry background and solid-state chemistry expertise needed to make and characterize crystal forms and to integrate the control of solid-form properties in the manufacturing process.

Typical work programs offered in the Onyx GMP facility, include:

Mini Screens – initial, early stage polymorph screening (where material and/or budget are limited)

Standard Screens – identification of as many solid-forms as possible within a fixed time period

Macro Screens – a complete polymorphism study with stability testing and scale-up

In addition to solid-state polymorph screening, Onyx Scientifics’ breadth of services include: salt selection, GMP custom synthesis, process development and lead optimization.

MHRA certified and conforming to international GMP standards, Onyx Scientifics’ state-of-the-art facility delivers peace-of-mind with the supply of Active Pharmaceutical Ingredients for clinical trials.

Onyx Scientific Ltd, provides polymorphism chemistry services to the international pharmaceutical and biotech industries throughout all stages of a drug-discovery process, including: salt selection; physicochemical property determinations; classical resolution and crystallisation studies.

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