

STEM - Total Solution...

Obtaining accurate and meaningful solubility and crystallization data can be tedious and time consuming, particularly if done manually or by observation methods. You can utilise your RS10 to give both Solubility and Crystallization data. Whether it's for Solvent Screening, Crystallization Process Design, Polymorphism Studies or Solvent Recovery the easy to use Clarity System will allow you to collect and process accurate solubility and crystallization data from your RS10.

- Perform 10 solubility studies simultaneously on a bench-scale operation.
- Vessel volume from 1ml to 25ml
- A choice of two probing systems dip probe or non-invasive probe
- Simple to use software
- Precise temperature control with rapid heating and cooling
- Fast and easy set-up conduct solubility and crystallization studies in a few simple steps.



Automate the drug stability testing process with the RS10 reaction block. Perform, heat, oxidative, pH and light stressing in the 10 individually controlled reaction wells. The light stressing box, allows you conduct degradation studies on solid or in solution without having to use a separate chamber.

- Light profile conforms to ICH Q1B guidelines
- Precise temperature control, no degradation due to heat whilst conducting light studies
- Fit up to 10 light stressing modules and leave other wells free for other studies
- Sampling port for reaction monitoring
- No need for calibration, warning when light sources need replacing.

Conduct up to 10 High pressure reactions on the RS10 safely in the laboratory without using a specialist lab service. Safely use Hastalloy or Stainless Steel vessels up to 3000psi (bar conversion). Hydrogenation, Catalysis, or High pressure reactions. Introduce a gas through the inlet port or extract a sample from your reaction vessel.

- Precise temperature control
- Efficient magnetic stirring
- Safety rupture disc and gas release valve
- Glass liners available for ease of use and cleaning
- Conforms to ASME section VII, division 1 and PED certified.



Solubility



Crystallization



Photo Degradation



High Pressure



STEM

Barnstead Electrothermal-STEM, 419 Sutton Road, Southend-on-Sea, ESSEX. SS2 5PH. UK

Tel:- +44(0)1702 612211 Fax:- +44(0)1702 468731

E-Mail:- sales@electrothermal.co.uk. Web:- www.electrothermal.co.uk