

"Polar Bear: temperature controlled crystallization"

Chris Lamaison
Cambridge Reactor Design

10:00 a.m. Laboratory trial

7100bis lab. 3rd floor D building
Facultad de Ciencias

12:00 a.m. Conference

Sala de Grados
Facultad de Ciencias



CONFERENCIA

13 enero

isqch

Instituto de Síntesis Química y Catálisis Homogénea

 **CSIC**
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

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Colabora:

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Polar Bear: Temperature controlled crystallization

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Crystallization from solution is a fundamental technique in chemical, food, pharmaceutical industry, as well as in chemical and material science research. In this process, temperature can be a critical variable. It changes solubility and supersaturation of the sample, modifying nucleation and crystal growth. Therefore the temperature control and manipulation may allow screening and optimization of crystallization mechanisms.

In this context, Polar Bear crystallizer will be presented as a valuable tool. It delivers accurate (± 0.1 °C) temperature ramps from +150°C to -40 °C with real time monitoring. No solvent or chiller is needed. Practical applications in salt, polymorph and solvent screening; nano-material and material research; cocrystal growing and polymorphic stability will be presented.

More information:

<http://www.cambridgereactordesign.com/polarbearplus/product-specs.html>

13th January

10:00- Laboratory trial.
Laboratory 7100bis, 3rd floor D building .
Facultad de Ciencias

12:00- Presentation/discussion.
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