



THE FLEET IS COMPLETE

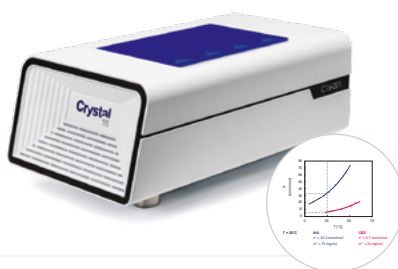
We are proud to present the Technobis Crystallization Systems workflow. Users are now able to perform fully controlled crystallization studies from hit identification and lead optimization up through process scale up. Combine the **CrystalBreeder**, **Crystal16** and **Crystalline PV/RR** in a flexible configuration to optimize solid-state success!



Crystal BREEDER

Discover

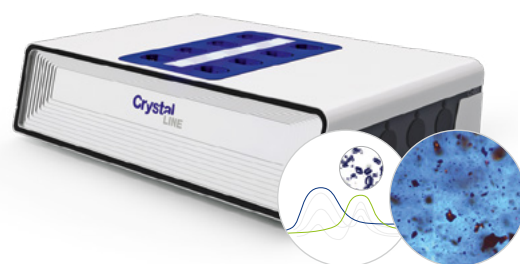
- Single crystal growth
- Crystallization & polymorph screening
- Solubility screening



Crystal 16

Screen

- Solubility & MSZW determination
- Solvents selection
- Solubility mapping
- Phase diagrams
- Polymorphs, salt and co-crystals



Crystal LINE

Optimize

- Crystallization process optimization
- Form & habit control
- Particle size determination
- Formulation process optimization
- Stability of liquid formulations

PRODUCT SHEET **DISCOVER, SCREEN AND OPTIMIZE**

Technobis
CRYSTALLIZATION SYSTEMS



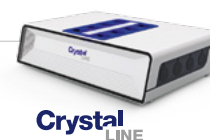
Specifications	CrystalBreeder	Crystal16	Crystalline PV/RR
Feedback control	Yes	Yes	No
Reactors	32	16	8
Reactor type	Commercially available, glass	Commercially available, glass	8 ml vials
Optimal work volume (mL)	0.06 to 0.1	0.5 to 1.0	2.5-5 ml
Temperature zones	8	4	8
Temperature range (°C)	-15 to 150 ¹	-25 to 150 all 4 block reactors in parallel ²	-25 to 150 ³
Temperature accuracy (°C)	0.1	0.5	0.5
Heating/Cooling rate (°C/min)	0 - 20	0 - 20	0 - 20
Stirring	Overhead or stirrer bar	Overhead or stirrer bar	Overhead or stirrer bar
Stirring speed (rpm)	0 - 1250	0 - 1250	0 - 1250
Evaporation option	Yes, with evaporation flow per block of 4 reactors	No	Yes, with evaporation flow per reactor
Vapor diffusion option	Yes	No	No
Turbidity (%)	Every reactor	Every reactor	Every reactor
Chiller necessary (°C)	No	Optional, required to achieve -25 in all 4 reactors in parallel	Yes
Camera's	-	-	4 or 8
Camera resolution (µm/pixel)	-	-	7.5, 3.75, 1.875
Particle size and shape analysis	-	-	Yes – with particle view imaging cameras
Raman	-	-	Yes, compatible with most Raman spectrometers (785nm)
Data export	CrystalClear, Word Report, XML	CSV, Word Report, XML	CrystalClear, Word Report, XML
Footprint (DxWxH in cm)	49 x 56 x 20	50 x 28 x 18.5	52 x 77.8 x 19.7

¹ Minimum temperature reached in 1 block reactor is -15°C, and -10°C when all 8 block reactors are in use.

² Chiller required to reach -25°C, otherwise -20°C is achieved.

³ When ambient temperature is 21°C ± 2°C and chiller cooling capacity at 18°C is about 1180 watt.

Technobis Crystallization Systems workflow



Please contact us for more information
info@crystallizationsystems.com
crystallizationsystems.com
 Tel: +31 72 30 200 40

Pyrietstraat 2
 1812 SC Alkmaar, The Netherlands

Follow us on

Technobis
 CRYSTALLIZATION SYSTEMS