

DrySyn® Single and Multi Position Cooling Blocks DrySyn COOL and Multi COOL

DrySyn COOL and Multi COOL offer controlled cooling without using jacketed reaction vessels.

It allows active temperature control from ambient temperature to -30°C.

The modular system comprises of a cooling base plate and inserts, allowing the use of standard round bottom flasks on a scale from 25ml to 1000ml.

- Active temperature control avoids temperature fluctuations
- Compatible with all standard laboratory circulator or chiller systems
- Unattended operation allows for overnight reactions
- Compatible with all standard laboratory round bottom flasks
- Easy exchange of reaction vessels within seconds without disrupting the thermal bath fluid
- Possible to program and control cooling rates
- Compatible with any standard magnetic stirrer
- Robust, durable aluminium build instead of glass

Technical Data

| | |
|-------------------------------------|--|
| Min. solution temperature* | -30°C |
| Reaction scale DrySyn COOL | 1x 50ml, 1x 100ml, 1x 250ml, 1x 500ml, 1x 1000ml |
| Reaction scale DrySyn Multi COOL | 3x 25ml, 3x 50ml, 3x 100ml |
| Material | anodised aluminium |
| Base diameter (mm) | 187 |
| Flask type | standard laboratory round-bottomed flasks |

*Obtained with Huber Ministat 240 (without insulation).
A solution temp. of -20°C was achieved in 30min. with
50ml solutions in three 100ml flasks.



GB Patent application no 0612975.3

Ordering Information for DrySyn COOL:

ADS8 DrySyn COOL kit
including 1 x base plate, 2 x hose barb connectors,
1x 50ml, 1x 100ml, 1x 250ml, 1x 500ml, 1x 1000ml
inserts and flask seals

Ordering Information for DrySyn Multi COOL:

ADS10 DrySyn Multi COOL kit
including 1 x base plate, 2 x hose barb connectors,
1x 25ml, 1x 50ml, 1x 100ml inserts and flask seals



DrySyn COOL Insulation

We recommend DrySyn COOL is used with insulation when taking temperatures below -10°C.
The optional Armaflex insulation we offer is designed specifically for sub-ambient conditions.

Ordering Information:

ADS8-I DrySyn COOL Insulation

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