

The Cryofree® Toolkit

OptistatDry – the TLEX model

Sample-in-exchange-gas applications

The **OptistatDry** is now available with a sample-in-exchange-gas environment, making it the most versatile cryogen free cryostat which is optimised for different spectroscopy experiments.

- Wide sample temperature range from <math><4</math> to 300 K
- Quick sample change in less than 5 minutes via top loading probe
- Optimised optical access with f1 and a clear view of 15 mm diameter
- Water and air-cooled compressor options available



Ideal
for biological,
life science
or chemistry
experiments



If your samples are poor thermal conductors, powders or even liquids this cryostat is ideal for you. Samples for biological, life science or chemistry experiments often can not go into a vacuum environment. The **OptistatDry** with its sample-in-exchange-gas environment is ideal for these applications and provides the cooling you need for your samples.



Liquid cuvette, optical and plain sample holders.

The **OptistatDry** is also perfect, regardless of what type of samples you have, if you need to minimise the time between experiments and maximise throughput. Removing the sample rod whilst the cryostat is kept cold enables you to swap from one sample to the next in just a few minutes.

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The Cryofree[®] Toolkit

OptistatDry – the TLEX model

Sample-in-exchange-gas applications

Shining a new light on optical spectroscopy

Versatile – Wide range of sample rods and holder including a cuvette for liquid samples

Upgradable – Its modular design is unique. Start with a basic system and add functionality as your experiments evolve

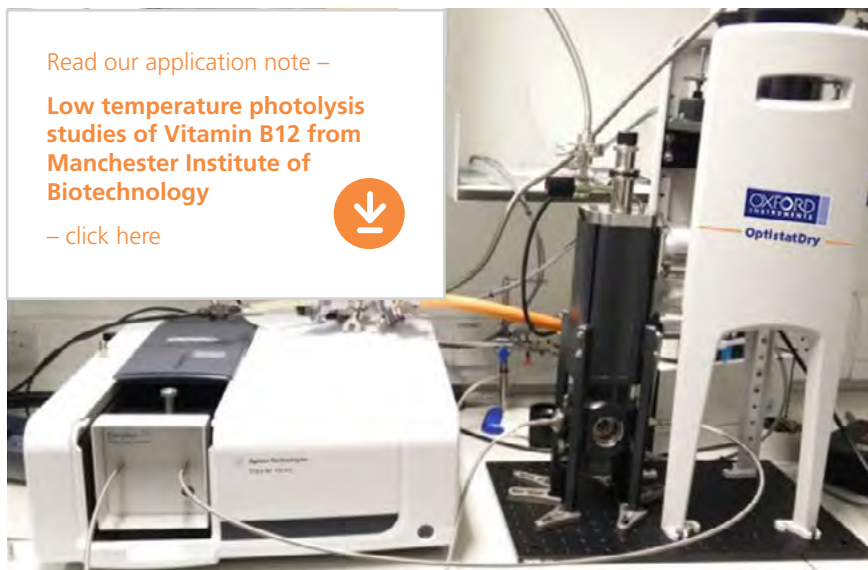
Optical excellence – Window material options cover the full spectrum from UV to extreme IR

Simple to use – Immediate integration to optical benches via the support stand minimises set up time

Read our application note –

Low temperature photolysis studies of Vitamin B12 from Manchester Institute of Biotechnology

– click here



| Specifications | |
|---|---------------------------|
| Sample temperature range | <4 K to 300 K |
| Measured temperature stability | ±0.1 K |
| Sample cool down to 10 K with cryostat cold | ~45 minutes |
| Cryostat cool down to 10 K | ~360 minutes from ambient |



Wide range of sample rods including precision height and rotation adjustment.

For more information, email us at nanoscience@oxinst.com or visit www.oxford-instruments.com/nanoscience

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