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Grant Instruments
(Cambridge) Ltd
Shepreth
Cambridgeshire
SG8 6GB England

Tel: +44 (0)1763 260811
Fax: +44 (0)1763 262410
www.grant.co.uk

Grant targets IVF clinics with the world's first liquid nitrogen free controlled rate freezer

- *The Grant Asymptote EF600 is a liquid nitrogen and refrigerant free controlled rate freezer ideal for use in cleanroom environments*

CAMBRIDGE, England, May 15, 2007 – Grant Instruments, (www.grant.co.uk), a world renowned manufacturer and supplier of custom and own-brand scientific, life sciences and data acquisition products, has introduced the Grant Asymptote EF600 controlled rate freezer designed specifically for use in human and animal In vitro fertilisation (IVF) applications for the cryopreservation of embryos, oocytes, stem cells and spermatozoa.

The Grant Asymptote EF600 uses an electronically powered Stirling Cycle Cryocooler as its cooling source and is the world's first liquid nitrogen and refrigerant free controlled rate freezer. This removes the risk of samples being contaminated during freezing and means that unlike conventional refrigerant based cooling equipment used in IVF laboratories this product can be used where a high level of air quality is required.

Simple to operate and very quiet, the Grant Asymptote EF600 is extremely cost effective compared to liquid nitrogen systems. Its small footprint means that it can easily be used on the laboratory bench top as a stand alone freezer or linked to a control PC to provide data logging and programming flexibility. The freezer may also be operated as a portable device making it ideal for many veterinary and conservation applications.

The Grant Asymptote EF600 enables the cooling rate to be precisely controlled allowing for good sample recovery upon thawing, directly comparable with that of a standard liquid nitrogen system. In addition, the temperature remains below minus 100°C at the end of the cycle until the freezer is turned off. An uninterruptible power supply (UPS) ensures complete sample security in the event of power failure.

A variety of sample holders as well as application specific preset linear and non-linear cooling programs are available. For other laboratory freezing applications, sample holders can be modified and cooling programs can be optimised for any particular cell type.

For more product information, please visit www.grant.co.uk.



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Registered office: address as above

For more information about Grant Instruments' wide range of scientific products, please visit www.grant.co.uk. Alternatively, telephone +44 (0) 1763 260811 or email scientificsales@grant.co.uk.

A high resolution photograph of the Asymptote EF600 series freezer is available at <http://www.grant.co.uk/About/News/>.

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About Grant Instruments

Grant Instruments (Cambridge) Limited (www.grant.co.uk) is a world renowned supplier and manufacturer of scientific, life sciences and data acquisition products. The company has been designing, manufacturing and distributing scientific products for the past 50 years and has established a worldwide reputation for high quality, reliable and robust systems designed to satisfy the most demanding applications for research in life sciences, chemical and the general laboratory. Headquartered at Shepreth on the outskirts of Cambridge, England, the company has an extensive network of dealers and distributors servicing Europe, the Americas, and the Asia Pacific region.

Asymptote (www.asymptote.co.uk) is a specialist in controlled solidification research and product development. Grant Instruments and Asymptote have a worldwide agreement for Grant to manufacture and market the Grant Asymptote EF600 series controlled rate freezers and other Asymptote intellectual property.

Media contact:

Martin Brooke (for Grant Instruments)
Tel: +44 (0) 1223 244500
Email: martin@mba-pr.com