**Introduction**

Freeze-drying of a solution consists in first crystallizing it totally, then sublimating the formed ice on installing vacuum. In order to obtain a final product of good quality, it is necessary to install vacuum at a temperature lower than the glass temperature (Tg) of the frozen solution.

**Experimental**

Instrument: micro-DSC VII  
Sample: 365 mg of solution  
Batch vessel  
The temperature is programmed from -32°C to -40°C at 0.09 K.min⁻¹ : 5.4 K.h⁻¹.

**Results**

The DSC curve presents a Tg with an inflexion point at -37.85°C.

**Instrument**

Micro DSC VII  
-45 to 120°C  
www.setaram.com – sales@setaram.com