

## CPAS Sample drying and concentration

- **VirTis/SP Scientific GPFD 36DX66 general purpose freeze dryer**  
CDDI's General Purpose Freeze Dryer (GPFD) is available at the Chemodiversity facility for large volume samples. The Freeze-dryer is equipped multiple shelves, with a sample storage chamber of 36" diameter x 66" depth operating from -30°C to room temperature and 35 L trap condenser with a -53°C condenser. The multiple shelf configuration of the GPFD can accommodate various types of material such as floral arrangements and taxidermy specimens.

[http://www.spscientific.com/Products/Freeze\\_Dryers/\\_Lyophilizers/VirTis/General\\_Purpose\\_\\_\\_Floral\\_Freeze\\_Dryer/General\\_Purpose\\_and\\_Floral\\_Freeze\\_Dryer](http://www.spscientific.com/Products/Freeze_Dryers/_Lyophilizers/VirTis/General_Purpose___Floral_Freeze_Dryer/General_Purpose_and_Floral_Freeze_Dryer)

### SP Scientific General Purpose Freeze-dryer



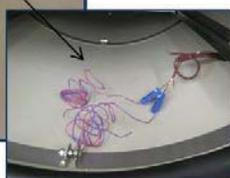
**Mixed cultured media**



**Marine organisms**



**Floral and bulky material**



**2 sensors probes to monitor samples during the freeze-drying process**

**For more information on instrument specification and availability, please contact:**

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**CHEMICAL PURIFICATION, ANALYSIS AND SCREENING CORE FACILITY**

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- **Labconco FreeZone 4.5 L lyophilizer**

Useful for freeze drying a wide variety of chemical and biological samples. Used primarily with aqueous solvents, for sample volume reduction/concentration and for long-term protein storage needs, for example.

<http://www.labconco.com/product/freezone-45-liter-console-freeze-dry-systems-2/108>



- **Heidolph Hei-VAP Precision G3 rotary evaporator system** with rotachiller and vacuum pump (to 7 mbar). Commonly used for solvent removal and distillation procedures. Features include automated control programs for common methods and programmable control for custom distillations.

<http://www.heidolphna.com/products/rotary-evaporators/hei-vap-precision/hei-vap-precision>



- **Supelco Visiprep 24 vacuum drying manifold** Solid phase extraction and vacuum system for up to 24 samples.

<http://www.supelco.com.tw/C-3%20164-169.pdf>



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