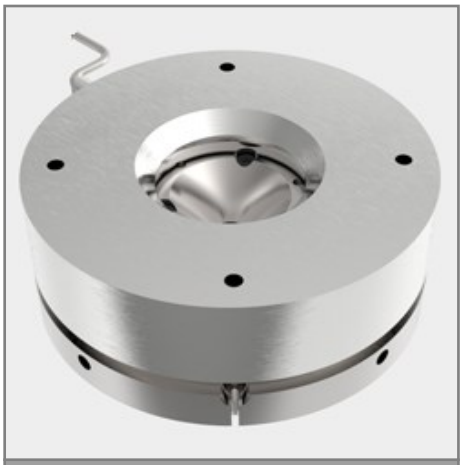


Almax·easyLab
science under pressure

Products



Diacell® VivoDAC

Diacell® VivoDAC

Gas membrane diamond anvil cell for biological studies.

- The Diacell® VivoDAC is a unique cell for pressure range up to 2 GPa;
- The Diacell® VivoDAC uses a combination of diamond anvil and Boehler- Almax diamond window for pressure generation. This window, with its 100° opening is used as observation port;
- The Diacell® VivoDAC has a very high numerical aperture of 0.77 and a very short working distance of 6 mm. It is ideal for microscopic imagining work of biological samples;
- The gas membrane driven pressure mechanism allows the pressure variation within the cell, whilst the experimental set-up is mounted on the microscope stage;
- An optional band heater will enable high temperature sample analysis up to 250° C;
- This cell is fitted as standard with type IIas Raman ultra low fluorescence diamond anvil and window.

RELATED PRODUCTS:

- Diacell® GM Controller
- Diacell® iGM Controller
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvil
- Stainless Steel 2.5 mm Anvils Rings
- Boehler-Almax Diamond Window
- BeCU 3.95 mm Gasket Blanks
- Band Heater
- Ruby Powder
- Support Plates

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Gas Membrane
Maximum Pressure	2 GPa
Top/Bottom Angles	76° / 100° Conical
DAC Diameter / Height	60 mm / 26 mm
Working Distance to Sample	6 mm
Numerical Aperture	0.77

Specifications subject to change without prior notice.
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