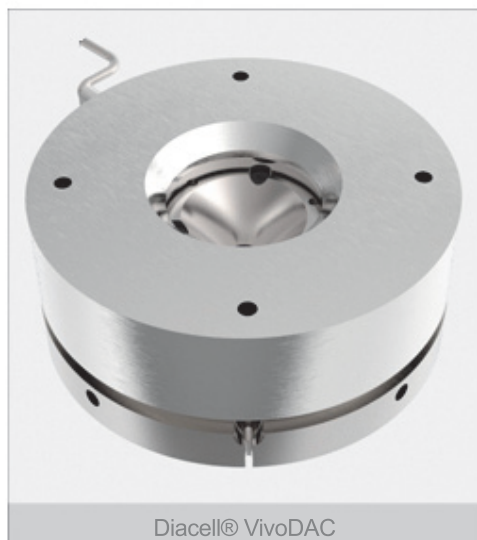


## Products



Diacell® VivoDAC

### RELATED PRODUCTS:

- Boehler microDriller
- Diacell® GM Controller
- Diacell® iGM Controller
- Optiprex PLS
- Diamond Anvils

### RELATED ACCESSORIES:

- Gas Membranes
- Gasket Blanks
- Heaters
- Ruby Powder and Spheres
- Support Plates

## Diacell® VivoDAC

Gas membrane diamond anvil cell for biological studies.

- ▶ The Diacell® VivoDAC is a unique diamond anvil cell for the pressure range up to 2 GPa.
- ▶ The cell uses a combination of diamond anvil and diamond window (plate) for pressure generation. The latter, with its 100° opening, is the observation port.
- ▶ The Diacell® VivoDAC has a very high numerical aperture of 0.77 and very short working distance of 8mm, therefore making it ideal for microscopic imaging work of biological samples
- ▶ Being gas membrane driven means that pressure within the VivoDAC can be changed whilst the sample is mounted in the microscope stage, saving considerable time.
- ▶ An optional band heater is available, which enables studies up to 250°C.
- ▶ Maximum pressures of up to 2 GPa may be obtained with the Diacell® VivoDAC.

### Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Seat (support plate)	Tungsten Carbide
Pressure Mechanism	Gas membrane
Top Angle	76° Conical (anvil side)
Bottom Angle	100° Conical (window side)
DAC Diameter	60 mm
DAC Height	24.5 mm
Working Distance to Sample	8 mm (window side)

Specifications subject to change without prior notice.  
easyLab and Diacell are registered trademarks of Almax easyLab Ltd.

[www.almax-easyLab.com](http://www.almax-easyLab.com)



For US, Canada and Latin America  
**Almax easyLab Inc.**  
485 Massachusetts Avenue  
Suite 300  
Cambridge, MA 02139-4018  
USA  
Ph: +1 857 445 0045

For Europe, Middle East and Africa  
**Almax easyLab bvba**  
Wagenmakerijstraat 5  
8600 Diksmuide  
Belgium  
Ph: + 32 51 55 56 37

For Asia and Oceania  
**Almax easyLab Ltd**  
Science and Technology Centre  
University of Reading  
Whiteknights Road  
Reading, RG6 6BZ, UK  
Ph: +44 (0)118 935 7272

