

## Sero Krystal™ PDL (Poly-D-Lysine) Coated Microplates

High performance microplates for enhanced cell growth and survival

Keywords: cell culture, Krystal, sero, microplates, PDL, protein-coated, grab and grow



### At A Glance

- Enhances cell adhesion for challenging cell types
- Uniform surface coating for reproducible cell culture
- Ideal for serum-free or low serum growth conditions
- Krystal™ clear wells for superior optical clarity for high resolution imaging
- Grab and Grow™. Sterile and ready-to-use

Poly-D-Lysine (PDL) is a synthetic, extracellular matrix used in cell culture applications to promote cell adhesion. Adsorbed PDL on the surface of polystyrene (PS) microplates enhances cell attachment and growth by increasing the number of positively charged sites for cell binding. The synthetic PDL coating is free from biological impurities and ensures no stimulation of biological activity and signalling pathways in cultured cells systems. PDL coated plates are popularly used for neuronal applications due to enhanced growth and survival of neuronal cells such as primary neurons and neuroblastomas as well as transfected cell lines, glial cells and adherent fibroblasts. PDL coated plates are ideal for culture of other cell lines such as HEK-293, L929, BHK-21, PC12 and, NSC-34.

### Product Features

- 96 or 384 well, polystyrene microplate
- Synthetic, animal-free PDL coating
- Flat, optically Krystal™ clear wells
- Available in clear and black frames
- Uniform surface coating for reproducible cell culture

### Ideal For

- Cell proliferation
- Calcium flux assays
- Gene reporter
- Apoptosis assays
- Cell adhesion kinetic studies

### What is Krystal™?

Microplates made with Krystal™ clear wells are designed to ensure maximum optical performance during cell culture and assay measurements. Observe cells with exceptional sharpness rich in contrast and capture true fluorescent and luminescent signals with high resolution microscopy. Krystal™ microplates are constructed with superior flatness for precise measurements and are made from pure polystyrene for low background to enhance the accuracy and sensitivity of results. Combined with clear, white and black framed microplates Krystal™ clear wells enhance results with optical clarity and culture reproducibility. Krystal™ is for clarity.

Product Specifications			
Format	96-well plate, 384-well plate	Shipping	Ambient
Coating Volume	200 µl	Shelf Life	1 Year
Colours	Clear, Black	Storage	4°C
Material	Polystyrene	Quantity	Pack of 10 (2 x 5)
Treatment/Coating	70 to 150 kDa Poly-D-Lysine	Automation Compatibility	Yes (ANSI/SLS standard)
Sterile	Yes	Sealing Compatibility	Heat and adhesive seals

## Ordering Information

Product #	Description	Quantity
500269-PDL	Sero Krystal™ Poly-D-Lysine, <b>96</b> well, 350 µl, round, <b>clear F-bottom, clear frame</b> , PS, sterile, with lid	2 x 5 Plates
215003-PDL	Sero Krystal™ Poly-D-Lysine, <b>96</b> well, 350 µl, round, <b>clear F-bottom, black frame</b> , PS, sterile, with lid	2 x 5 Plates
221003-PDL	Sero Krystal™ Poly-D-Lysine, <b>384</b> well, 120 µl, square, <b>clear F-bottom, clear frame</b> , PS, sterile, with lid	2 x 5 Plates
312001-PDL	Sero Krystal™ Poly-D-Lysine, <b>384</b> well, 120 µl, square, <b>clear F-bottom, black frame</b> , PS, sterile, with lid	2 x 5 Plates

## Contact Information

EU/RoW Enquiries: [int.sales@porvairsciences.com](mailto:int.sales@porvairsciences.com)

USA Enquiries: [info@jgfinneran.com](mailto:info@jgfinneran.com)



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