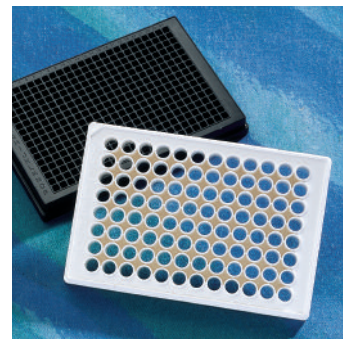


# Poly-D-Lysine Coated Microplates

## Application Report

### Innovative Techniques in Drug Discovery



#### Product Description

Poly-D-Lysine (PDL) coated polystyrene microplates are coated with a 70 to 150 kDa PDL polymer via a proprietary method. This polymer creates a uniform net positive charge on the plastic surface which can enhance cell attachment, growth and differentiation. In addition, this product can foster increased survival in serum-free and low serum conditions for certain cell types (1,4).

#### Quality Testing

Each lot of Poly-D-Lysine coated plates has been tested for cell attachment performance in serum free media using BHK-21 adherent cells. Each lot is also tested for endotoxins, bacteria and fungi.

#### Applications

Numerous cell lines have been cultured successfully on PDL coated surfaces including the following:

- ▶ HEK-293
- ▶ NIH3T3
- ▶ L929
- ▶ Mouse 3T3 fibroblasts
- ▶ PC12
- ▶ Chicken chondrocytes
- ▶ Mouse pituitary cells
- ▶ Ovarian tumor cells
- ▶ Transgenic mouse Q5B and Y8 cells
- ▶ Cortical neurons
- ▶ DRG (dorsal root ganglia)
- ▶ Neocortical cells
- ▶ Spinal cord neurons
- ▶ Hippocampal neurons
- ▶ Cerebellar granule cells
- ▶ GH3 pituitary tumor cells
- ▶ SF 21 Insect cells
- ▶ Mouse GT1-7 cells

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## Storage and Handling Conditions

For optimal performance, the unopened product should be stored in a dry place at 2 to 30°C. Refer to the product label for expiration date. Once opened, it is suggested that the product be used immediately.

Assays should not be performed on this product at >60°C.

## Intended Use

**For Research Use Only.**

**Not for use in diagnostic procedures.**

## References

1. McKeehan, W.L. and Ham, R.G. J. Cell Biol. 71:727-734, 1976.
2. Freshney, R.I. Culture of Animal Cells, 3rd ed. Wiley-Liss Inc., New York, 1994.
3. Doyle, A., Griffiths, J.B. and Newell, D.G. eds., Cell and Tissue Culture Laboratory Procedures. Wiley, New York, 1998.
4. Mazia, D., Scatten, G., and Sale, W. J. Cell Biol. 66:198, 1975.

## Poly-D Lysine Coated Plates Ordering Information

All Poly-D Lysine products include Corning universal polystyrene clear lids.

Cat. No.	Description	Qty/Pk	Qty/Cs
3841	96 well Microplate, clear, flat bottom	20	100
3842	96 well Microplate, black, clear Bottom	20	100
3843	96 well Microplate, white, clear bottom	20	100
3844	384 well Microplate, clear, flat bottom	20	100
3845	384 well Microplate, black, clear bottom	20	100
3846	384 well Microplate, white, clear bottom	20	100

For additional product or technical information, please e-mail us at [CLStechserv@corning.com](mailto:CLStechserv@corning.com), visit [www.corning.com/lifesciences](http://www.corning.com/lifesciences), or call 1.800.492.1110. Outside the United States, please call 978.442.2200.

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