

Corning® Ultra-Low Attachment Surface

Unique hydrogel surface that inhibits cell attachment

CORNING



Ultra-Low Attachment Surface that you have used on microplates is available on a variety of Corning products!

The Ultra-Low Attachment surface is a unique covalently bonded hydrogel surface that is hydrophilic and neutrally charged. It minimizes cell attachment, protein absorption and enzyme activation. The surface is noncytotoxic, biologically inert and nondegradable.

The Ultra-Low Attachment Surface is designed for:

- ▶ Maintaining cells in a suspended, unattached state
- ▶ Preventing stem cells from attachment-mediated differentiation
- ▶ Preventing anchorage-dependent cells from dividing
- ▶ Reducing binding of attachment and serum proteins to the substrate

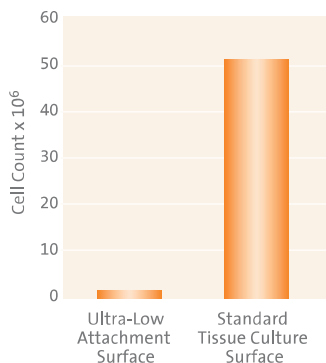


Corning Surfaces for Cell Culture

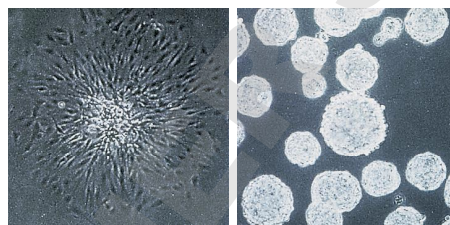
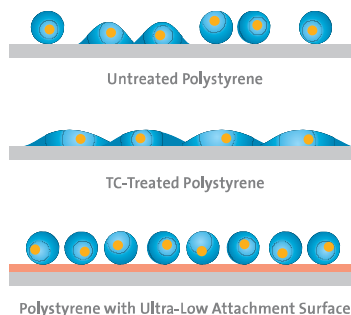
Untreated polystyrene has an **uncharged, hydrophobic** surface to which cell attachment proteins bind poorly. This results in poor and very uneven cell attachment and growth.

Tissue culture (TC) treated polystyrene has a **negatively charged, hydrophilic** surface to which cell attachment proteins bind evenly. This provides a good surface for cell attachment and growth.

The Ultra-Low Attachment Surface has a **neutral, hydrophilic hydrogel** coating which greatly reduces binding of attachment proteins. This minimizes cell attachment and spreading.



Cell attachment on the two surfaces was compared. Cell attachment inhibition on the Ultra-Low Attachment Surface was calculated as a percent reduction using the standard tissue culture treated surface as the reference point. The results indicate a 99.8% reduction in cell attachment of Vero cells on the Ultra-Low Attachment Surface as compared to the standard tissue culture surface.



C6 glioma cell colony on tissue culture treated surface (left) and spheroid colonies on Ultra-Low Attachment Surface (right).

Corning Ultra Low Attachment Surface Products Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
3261	60 mm style dish, Ultra-Low Attachment Surface	5	20
3262	100 mm style dish, Ultra-Low Attachment Surface	5	20
3471	6 well plate, Ultra-Low Attachment Surface	1	24
3473	24 well plate, Ultra-Low Attachment Surface	1	24
3474	96 well plate, Ultra-Low Attachment Surface, flat bottom	1	24
7007	96 well plate, Ultra-Low Attachment Surface, round bottom	1	24
New 3827	384 well plate, Ultra-Low Attachment Surface, black, clear flat bottom	20	100
3815	25 cm ² flask, Ultra-Low Attachment Surface, canted neck, vent cap	6	24
3814	75 cm ² flask, Ultra-Low Attachment Surface, canted neck, vent cap	4	24
3303	CellSTACK® Chamber, 1-STACK, Ultra-Low Attachment Surface	1	8



25 cm² Ultra-Low Attachment Surface Canted Neck Flask

For additional Corning product, technical, or distributor information, please e-mail us at cctech@corning.com, visit our website www.corning.com/lifesciences or call +31 20 659 6051 or contact your local Corning sales office listed below.

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