Corning[®] Ultra-Low Attachment Surface

Unique hydrogel surface that inhibits cell attachment





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

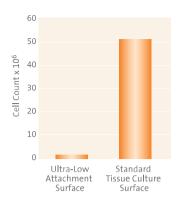
The Ultra-Low Attachment surface is a unique covalently bonded hydrogel surface that is hydrophilic and neutrally charged. It minimizes cell attachment, protein absorption and enzyme activation. The surface is noncytotoxic, biologically inert and nondegradable.

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







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.



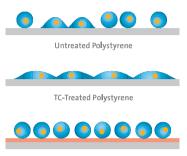
25 cm² Ultra-Low Attachment Surface Canted Neck Flask

Corning Surfaces for Cell Culture

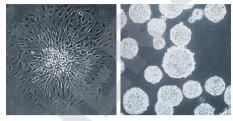
Untreated polystyrene has an uncharged, hydrophobic surface to which cell attachment proteins bind poorly. This results in poor and very uneven cell attachment and growth.

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.







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 Attach ment 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
3827	384 well plate, Ultra-Low Attachment Surface, black, clear flat bottom	20	100
3815	25 cm² flask, Ultra-Low Attachment Surface, canted neck, vent cap	6	24
3814	75 cm² flask, Ultra-Low Attachment Surface, canted neck, vent cap	4	24
3303	CellSTACK® Chamber, 1-STACK, Ultra-Low Attachment Surface	1	8

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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