

Technical Data Sheet

Rat Tail Type I Collagen Coated German Glass Cover Slips

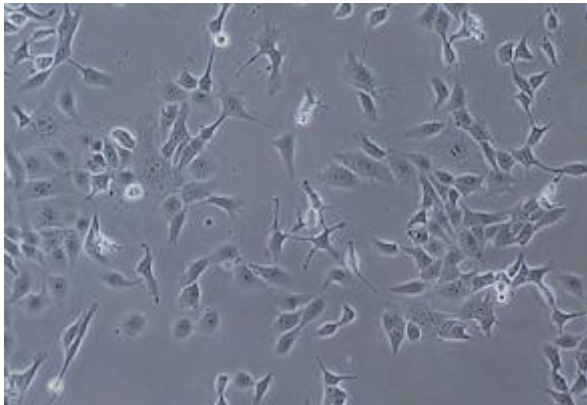
Catalog #72295-01 to 72295-22

The highest quality in cover slip coating.

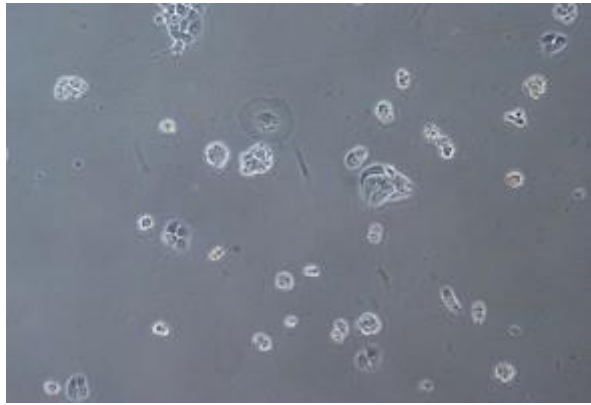
Experience the difference in your cell cultures with these state-of-the-art German cover slips featuring a digital bio-coating system. These full coverage, pre-coated cover slips are for use with all sizes and substrates. Many researchers prefer these cover slips for their excellent consistency, coating control and cell culture performance. Some international training schools chose Rat Tail Type I Collagen Coated German Glass Coverslips as required material for their students. Since then, Cell Culture Control was created for researchers to normalize their cell culture data and improve their culture quality, or to troubleshoot their cell culture problems.

The Importance of Advanced Bio-coating in Cell Culture

Coating quality is one of the most critical factors to achieve excellent cell cultures as coated substrate interacts with 50% of cell surface area. See example below:



Cells attach to a coated coverslip. The small 12mm coverslip occupied only half of a culture well.



In the same well, cells attach to the other half of the same culture on the non-coated half of the cover slip culture well.

38 hours in culture, cells on the upper left image show rapid, healthy growth. Cells on the plastic culture well (right image) were struggling.

Advanced Bio-coating Example:

Pure primary hippocampal neuron being cultured for long period of time uniformly and healthily on advanced poly-D-lysine coating (picture using pre-coated German coverslip)

