NEUROMICS

Universal Coating Solution

Catalog #: AC002

Product Size: 20 ml

Storage: Frozen

Product Format: Liquid or Frozen

pH: 7.2-7.5

Source: Human Cells

GENERAL INFORMATION

The biggest challenges for researchers using other coating solution is, proper coating of surface, long incubation time of the coating solution, and properly adjusting pH of their vessel once coated. Our product used lest time, reduces the risk of killing your cell because of poor coating and unstable pH.

Universal Coating Solution is easy to use:

1. Thaw solution if frozen
2. Coat your Vessel
3. Incubate for 30 minutes in 37°C incubator
4. Remove excess coating solution
5. Add you cell to the coated vessel
6. Place coated vessel with cell in a 37°C incubator with proper CO2, watch it grow.

STORAGE AND USE

All procedures should be done under sterile conditions using aseptic techniques. Avoid prolonged exposure of the protein to ambient temperatures. Repeated freeze/thaw should be avoided. Universal Coating solution is stable for 3 years when stored at -20°C to -80°C. It is stable for at least 3 months when stored at +2°C to +8°C under aseptic conditions. For your convenience, coated plates can be kept for up to 4 weeks when stored aseptically at +2°C to +8°C.

COATING PROTOCOL

1. If frozen, slowly thaw solution at +2°C to +8°C before use. Undiluted is stable for at least 3 months when stored at +2°C to +8°C under aseptic conditions. Repeated freeze-thaw cycles should be avoided. For longer storage needs, we recommend dividing the thawed stock solution in smaller working aliquots and to store frozen. Frozen stock can be stored up to three years in -20°C to -80°C.

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2. Guidelines for surface coating calculations can be found in the table below. Lowering the coating concentration might affect the proliferation rate, extending the culture time with about 1 or 2 days. Make sure the coating concentration is high enough to support an even cell growth. For your convenience, coated plates can be kept for up to 4 weeks when stored aseptically at +2°C to +8°C REVOLUTIONIZING CELL CULTURE. When culturing cells on the Universal matrices, some cell lines might need an adaptation period and a higher coating concentration is then recommended for the first few passages. Once the cells are adapted to the matrix, the coating concentration usually can be reduced. The coating should be optimized empirically for each cell line and cell type.

3. Gently invert the vial to mix the solution. Do not vortex as this may cause fragmentation.

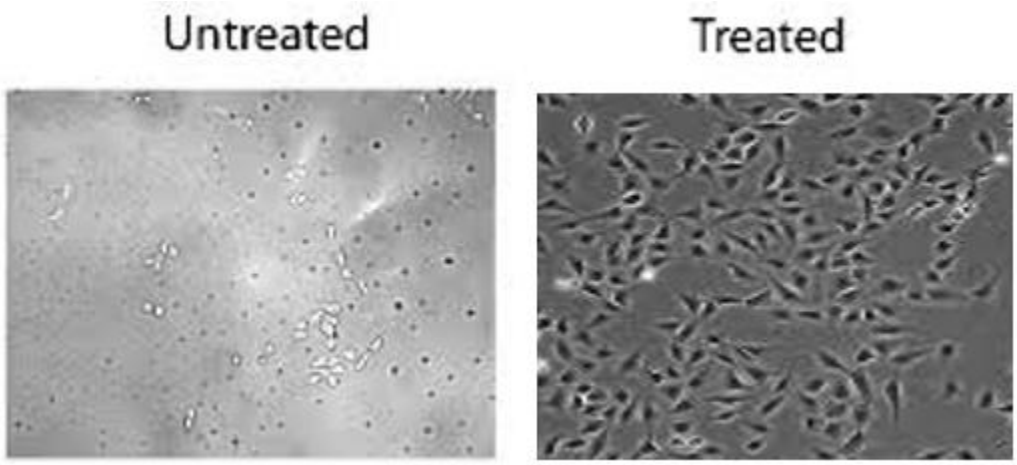
GUIDELINE FOR SURFACE COATING

CULTUREWARE	TOTAL COATING SOLUTION VOLUME
6-well	1000 uL/well
12-well	500 uL/well
24-well	300 uL/well
48-well	150 uL/well
96-well	70 uL/well
T-25cm2 flask	3000 uL/flask
T-75cm2 flask	8000flask

*Do not allow the coated surface to dehydrate as that will inactivate the coating solution. For your convenience, the coated plates can be kept for up to 4 weeks when stored aseptically at +2°C to +8°C. Extra 1xDPBS (Ca++/Mg++) might have to be added after 1-2 weeks to prevent the plate from drying out.

A panel of different bioassays affirm the media sustain a proper environment for expected cell-type-specific culture, growth, plating, karyotype, physiology, morphology, viability, population doublings, surface markers, cryopreservation, differentiation and/or induction.

Laboratory research use only (RUO). Not for human, clinical, diagnostic or veterinary use.



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