



Quick Coating Solution

Catalog #: AC003

Size: 20 ml

Storage: Store the medium at 2-8°C or -20°C for long term

Shelf Life: 3 years when frozen

Color: Clear

Format: Liquid

GENERAL INFORMATION

The biggest challenge for researchers using other coating solutions are a proper coating of the surface, long incubation time of the coating solution, and properly adjusting pH of their vessel once coated. Quick Coating Solution is easy to use and reduces the risk of killing your cell because of poor coating and unstable PH. We use 7 simple steps:

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

Product is for Research use only. Our products are not authorized for human use, in vitro diagnostic procedures, or for therapeutic procedures.

Storage Condition: If frozen, slowly thaw the 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 into smaller working aliquots and to store frozen. Frozen stock can be stored for up to three years from -20°C to -80°C..

Instructions for Use:

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 to about 1 or 2 days. Make sure the coating concentration is high enough to support 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. 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.

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

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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-25cm ² flask	3000 uL/flask
T-75cm ² flask	8000 uL/flask

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.

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