

Stem Cells Planking Solution (1×)

Cat. No. : PB180537

Size : 10mL

General Information

Size	10mL
Bacteria detection	Negative
Fungi detection	Negative
Mycoplasma detection	Negative
Endotoxin level	< 3 EU/mL
Storage	-5~-20°C , shading light
Shipping	Ice bag
Expiration date	24 months

Background

This product supports the growth and differentiation of human embryonic stem cells (hESCs) and human induced pluripotent stem cells (hiPSCs), and provides an ideal adhesion and growth microenvironment to maintain stem cell adhesion, proliferation and pluripotency by mimicking the natural extracellular matrix or providing bioactive signals.

This is a ready-to-use, high-performance working fluid that is simple and easy to use, and can be used with stem cell complete medium for feeder-free hESC/iPSC in vitro.

Product Description

For example, if a 6-well plate has an area of 9.6 cm² per well, each well needs to be coated with 1.5 mL of working solution, so 9 mL of working solution is required to coat one 6-well plate.

The recommended dosage of working solution for different culture vessels		
Vessels	Bottom Area	Dosage
6-well plates	9.6 cm ² /well	1.5 mL
12-well plates	4.5 cm ² /well	750 µL
24-well plates	2 cm ² /well	500 µL
T25 Flasks	25 cm ²	2.5 mL
10 cm Cell culture	60 cm ²	6 mL

1. Use the working solution for plating, and coat the well plate according to the recommended dosage, generally ensuring that the bottom of the culture vessel is completely covered;
2. Gently shake the culture plate to make the working solution evenly spread on the bottom of the plate;
3. Place the plate in a 37°C incubator and use it after 1 h; Or seal with parafilm, and then store in the refrigerator at 4°C, and use it at room temperature for more than 30min in advance, and use it within two weeks;

4. When seeding cells, use a pipette to aspirate the unbound working solution, and then seed the mixed cells into the well plate.

Note

1. This product has been sterilized by filtration. Aseptic operation should be paid attention to during operation.
2. For short-term storage, it can be kept at 2-8°C and should be used within 2 weeks; For long-term storage, please store at -20°C to avoid repeated freezing and thawing.
3. During the plating process, the working liquid should be placed on a 4°C ice box, and the consumables used should be pre-cooled in advance to prevent the working liquid from solidifying in advance.
4. The stem cell working fluid aspirated before inoculating cells cannot be recycled.
5. All products should be used within the expiration date.