PRIMACYT
Cell Culture Technology

Collagen coating of cell culture plates

Updated 12.06.19
Version 01

Recommended consumables and laboratory equipment

- RTC – rat tail collagen; approx. 3 mg/ml; store at 2-8 °C
- Cell culture plates or dishes
- Sterile work bench with UV-lamp; the work bench needs to operate overnight under UV-light

Collagen coating

- Prepare a Collagen working solution by diluting RTC 1:10 with sterile dest. H_2O (e.g. 3 ml RTC + 27 ml H_2O) under sterile conditions to a final solution of approx. 0.3 mg/ml
- Store the Collagen working solution at 2-8 °C until use. Remaining working solution can be stored at 2-8 °C for one year.
- The following volumes of Collagen working solution are necessary to achieve a completely coated well or dish:

Format	Volume Collagen working solution
6 well plate	1 ml/well
12 well plate	0.5 ml/well
24 well plate	240 µl/well
96 well plate	50 µl/well
60 mm dish	2.5 ml/dish
100 mm dish	7 ml/dish

- It is recommended to coat the plates overnight. It takes at least 8 h for the collagen solution to dry.
- Fill Collagen working solution into the necessary number of plates or dishes and distribute evenly
- Place the open plates side by side in the operating sterile work bench
- Store the lids in the work bench as well
- Turn UV-light on and let the collagen solution crosslink and dry overnight
- Collagen-coated plates have to be completely dry at the end of coating procedure
- Close the plates and wrap them in foil (e.g. aluminium foil)
- Store the coated plates at 2-8 °C for max. 9 months

FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

PRIMACYT Cell Culture Technology GmbH, Hagenower Str. 73, D-19061 Schwerin, FRG, www.primacyt.com
E-mail: info@primacyt.com, Tel.: +49 (0)385-3993-600, Fax: +49 (0)385-3993-602