

## Protocol

# iMatrix-511 Cell Culture Substrate: Coating Culture Vessels

## Overview

This protocol describes the use of iMatrix-511 to coat tissue culture vessels.

## Abbreviations

PBS	Phosphate-buffered saline
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## Products

PRODUCT DESCRIPTION	CAT. NO.	FORMAT	STORAGE
iMatrix-511	NP892-011	350 µg	4 °C

Store iMatrix-511 at 4 °C, protected from light. Expiration date is shown on label.

## Protocol

1. Dilute 0.5 mg/mL iMatrix-511 stock solution to 2.4 µg/mL in 1 mL of sterile PBS/6-well.
2. Coat with 1 mL per 6-well of 2.4 µg/mL iMatrix-511 substrate (diluted in PBS) on an appropriate number of wells of a 6-well plate.
3. **For example**, for one well of a 6-well plate (9.6 cm<sup>2</sup>/well) add 4.8 µL of iMatrix-511 (2.4 µg) in 0.99 mL of PBS.
4. Incubate for 1 hour at 37 °C, 3 hours at room temperature, or overnight at 4 °C.
5. Remove remaining fluid from the coated surface. No rinse is needed.
6. Immediately plate the cells at the desired density.

## Notes

- Do not allow the plate to dry.
- Briefly spin down all liquid in the tube before use.

## Usage

Cat. No.	Description	Approximate Coverage (6-well plate format)
NP892-011	iMatrix-511, 350 µg (2 vials x 175 µg)	145 wells
NP892-012	iMatrix-511, 1050 µg (6 vials x 175 µg)	435 wells

## Regulatory Disclaimer

For research use only, and not for use in diagnostic procedures.

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