



National Institute of Immunology

New Delhi-110067, INDIA

Notification for Inviting proprietary purchase

Dated: 13.01.2025

NII is planning the procurement of the following item through proprietary mode.

Name of the item: Teer System

Make:- Merck Millipore

Model:- Millicell ERS 3.0 Digital Voltohmmeter

Any other firm with item meeting the below mentioned specification may contact to equipment@nii.ac.in latest by 28-01-2025 or send the quotation in two bid system

(technical and price separately)

**Specifications for Digital trans-epithelial electrical resistance (TEER)
system / Voltohmmeter**

- The instrument must feature an intuitive touchscreen interface to facilitate data logging and background subtraction.
- The instrument should be capable of operating using a corded power source without the need for a battery.
- A battery pack option should be available for versatile use on the bench or in a tissue culture hood.
- The instrument must have a resistance measurement range of 0 – 100 k Ω , with a resolution of 1 Ω .
- The instrument must offer a cloud software subscription option for data backup and archiving to ensure greater access.
- The cloud-based feature should facilitate convenient data analysis across wells and between experiments.
- The instrument should provide options to export results via Ethernet, USB drive, or upload to the cloud upon subscribing to the cloud service.
- The instrument should include an ergonomic standing in-well probe to ensure ease of use and stable data during operation.
- The probe must feature an adjustable electrode that is compatible with 6-well, 12-well, and 24-well cell culture inserts and plates.
- The instrument must include a built-in sensor to measure and record media temperature accurately.
- The probe should be capable of measuring voltage, resistance and media temperature.
- The instrument should be supplied with a verification adapter that informs the user if the device is measuring resistance and temperature within appropriate ranges.
- The instrument should feature an foot pedal option for hands-free operation, allowing the user to save on-screen values while moving the electrode probe to the next measurement well.