

Chemical Liquid Permeability Tester

This liquid penetration resistance tester is designed to assess the resistance of materials, such as medical protective clothing, to liquid penetration. It evaluates the material's ability to prevent permeation by liquids under specific conditions.



Product Overview

Professional Liquid Permeability Testing

This precision instrument is designed to evaluate the resistance of protective materials against liquid penetration, including blood, body fluids, and blood-borne pathogens. By applying controlled pressure and specific test conditions, it detects even invisible liquid penetration, addressing the limitations of visual inspection methods. It is an essential tool for ensuring the integrity and safety of medical protective equipment like gowns, gloves, and coveralls.

Standards Compliance

Other Regulatory Standards

- YY/T 0699-2008
- YYT 0689-2008
- GB 19082-2009

ASTM Standards

ASTM F1670, ASTM F1671, ASTM F903

ISO Standards

ISO 16603:2004, ISO 16604:2004

Applications

Suitable for Testing

- Medical protective clothing
- Protective gloves
- Outer covers
- Coveralls
- Boots

Test Substances

- Synthetic blood
- Blood and body fluids
- Blood-borne pathogens (Phi-X 174 bacteriophage)
- Liquid chemicals

Technical Features

Key Capabilities

- Hydrostatic pressure testing method
- Detection of invisible liquid penetration
- Breakthrough time determination
- Permeation rate measurement