

TN139 Face Mask Synthetic Blood Penetration Tester

Synthetic blood penetration tester, is used for measuring the resistance of medical face masks and other coated materials to the penetration by a splash of synthetic blood at different pressures, it can conduct the tests of standards like ISO 22609, EN 14683, ASTM F1862, ASTM F2100.

A specimen of medical face mask is mounted on this synthetic penetration tester's sample clamping device, a fixed volume ($\sim 2\text{ml}$) synthetic blood is splashed by this tester horizontally to hit the mask, at the distance of (300 ± 10) mm, then check whether penetration happens in the specimen.

This tester can provide different blood pressures with the control of precise valve to generate a 2ml volume of synthetic blood with the surface tension of 0.042 ± 0.002 N/m, it will give you reliable and repeatable test results.

Specifications

- Blood spraying distance: (300 ± 10) mm
- Nozzle inner diameter: 0.84 mm
- Nozzle length: 12.7 mm
- Spraying speed: 450 cm/s, 550 cm/s, 635 cm/s
- Spraying time: 0.80 s, 0.66 s, 0.57 s
- Watching time: 10 (adjustable)

Standards

ISO 22609, EN 14683, ASTM F1862, ASTM F2100



Power 220 V, 50 Hz, 50 W

Weight 35 Kg

Dimension 650 * 640 * 500 mm (L x W x H)