



ISO 22611

TEST KIT

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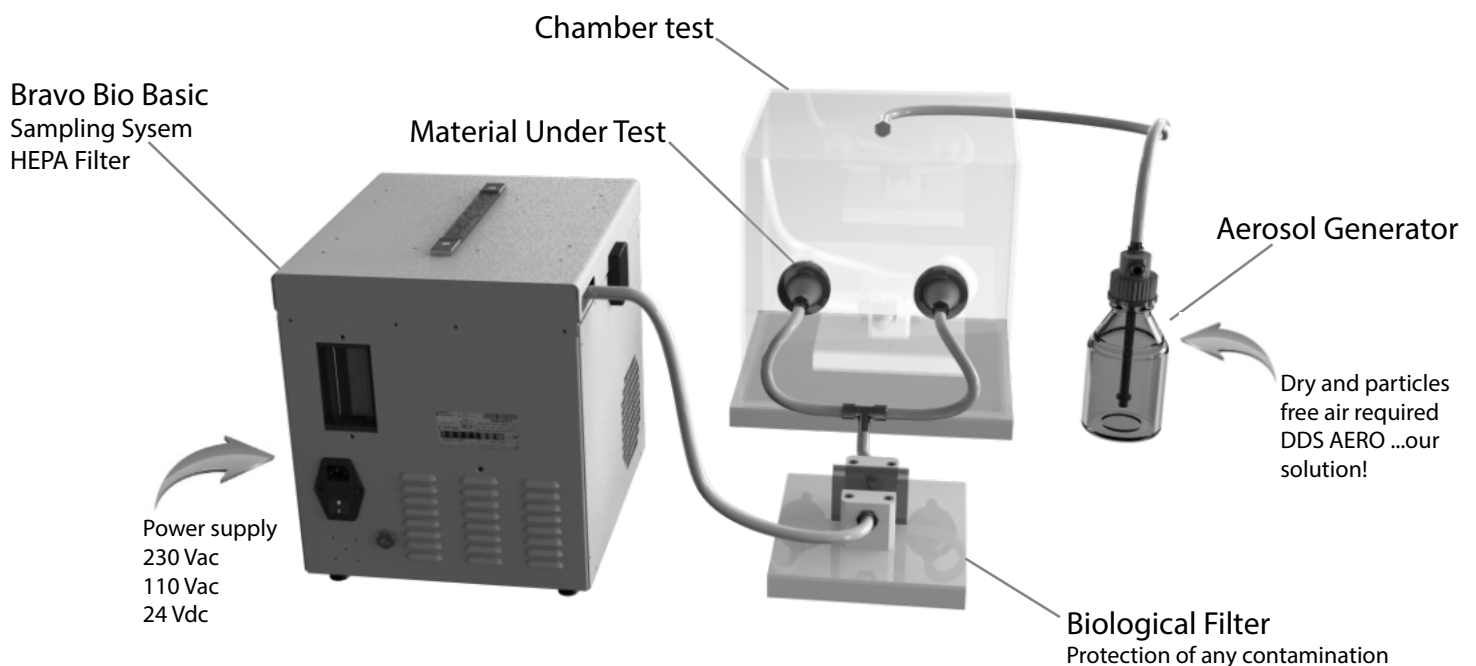




ISO 22611 TEST KIT

Kit test for resistance to penetration by biologically contaminated aerosols

TCR Tecora developed a complete solution for measuring the penetration resistance of protective clothing materials to a contaminated aerosol. This test method exposes material specimens to a specific bacterium (*Staphylococcus aureus*) suspended in an aerosol at a specified set of conditions. This test method is not always effective in testing protective clothing materials having thick, inner liners which readily absorb the challenge liquid



HOW IT WORKS ?

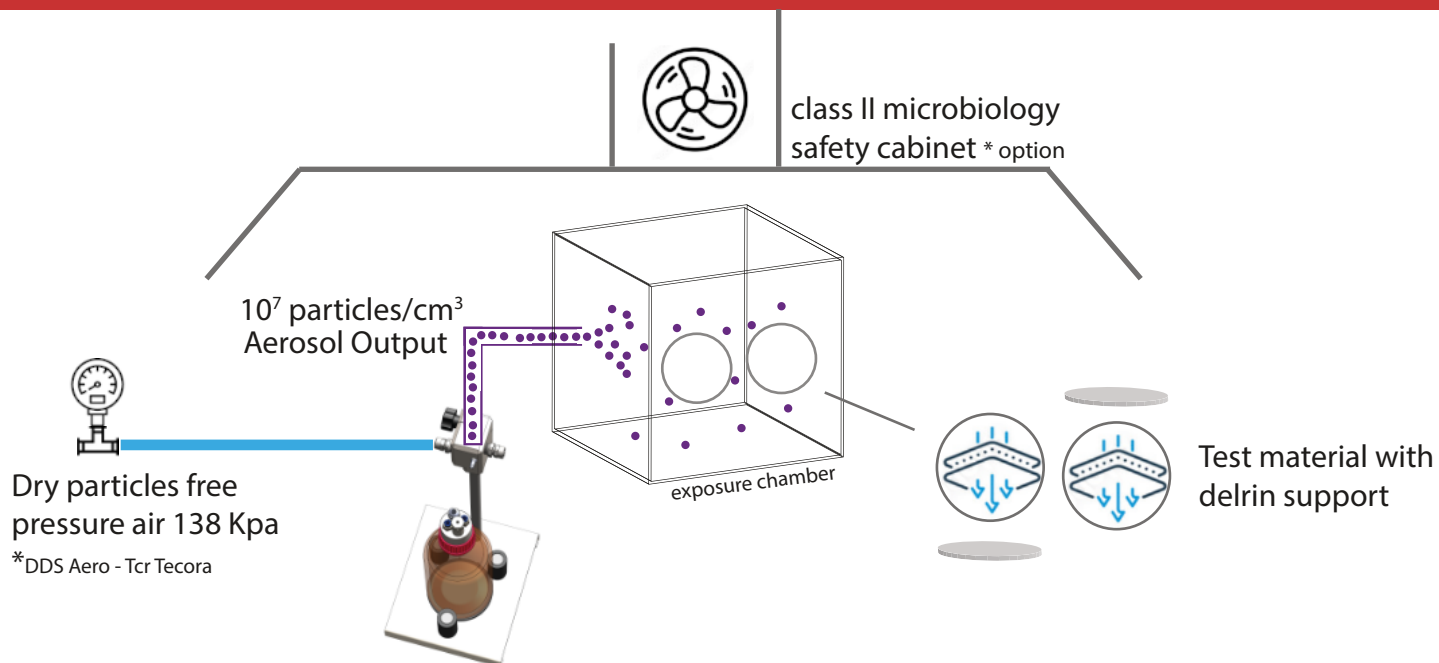
Dry and particles free Pressure air is applied on the pressure in port of aerosol generator ; TCR Tecora offers a DDS Aero system for zero air needed to the aerosol generator.

A solution, containing micro organisms is sprayed into a box. Underpressure is used to collect the droplets of the contaminated aerosol on two membrane filters. One of these filters is shielded by the protective clothing material. The ratio of bacteria found on the shielded and the unshielded filter is used to assess the barrier properties of the protective clothing material.





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MUT material under test preparation

Thickness of each specimen has to be prepared according to ISO 5084 (nearest 0,02 mm) and the mass per unit area to the nearest 10 g/m² according to ISO 3801.

Pressure drop of every line is controlled by BRAVO BIO BASIC sampling system able to maintain it constant as described in the norm for all the test.

Every items can be cleaned in autoclave.

Pump type	Diaphragm double head corrosion proof
Max flow*(with no restrictions)	Line 1 - 39 l/min (option up to 70 l/min)
Flow ranges	Line 1 : 0.1 - 35 l/min
Dry gas meter range	0.016 - 2.5 m ³ /h
Flow measure sensor	Analog meter (digital mass flow Option)
Gas temp. sensor range	-50 ÷ 70 °C Acc. 1 °C Res. 0.1 °C
Enviro. humidity sensor range	10 ÷ 99 % UR (Optional)

Absolute press. sensor (opt)	0-103 kPa, Acc. ± 0.1 kPa, Res. 0.01 kPa
Flow Control	Manual constant flow controller (electronic option)
Sampler control	µprocessor timer (touch screen Option)
User interface	4 keys
Weight Bravo Bio Basic	10 Kg
Dimensions Bravo Bio B.	280 x 280 x 280 mm
Power Supply	230 VAC 50-60Hz (110 vac or 24 vdc available)

AC99-121-0001SP COMPLETE AEROSOL GENERATOR MODEL LASKIN AERO-1-0,5 LT (1 NOZZLE)

AC99-121-0004SP HEPA FILTER FOR SINGLE INSTALLATION ON PLATE

AC99-121-0005SP TEST CHAMBER FOR ISO/DIS 22611 WITH CONNECTION FOR LASKIN GENERATOR AND FILTERHOLDERS

AC99-121-0006SP KIT OF 2 FILTERHOLDERS OF 25 MM FOR ISO/DIS 22611

AA99-000-0020SP BRAVO M BASIC 220V 0,15/35LM

