



Biologically Contaminated Aerosols Test Kit for Resistance to Penetration.

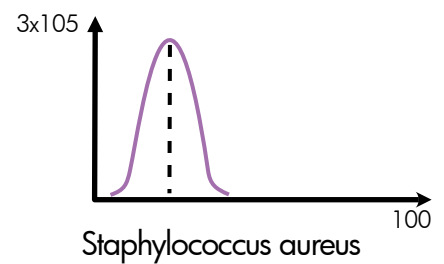
ISO 22611 Test Kit

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 bacteria (*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.



Made in Italy

Size Distribution



Bravo Bio Basic
Sampling System
HEPA Filter

Chamber test

Material Under Test

Aerosol Generator

Dry and particles free air
required DDS AERO, our
solution!

Biological Filter
Protection of any contamination

Power Supply

230Vac / 110Vac / 24Vdc





*Experts in
Aerosol Generation*

How it works?

Dry and particles free Pressure air is applied to the pressure in port of aerosol generator;

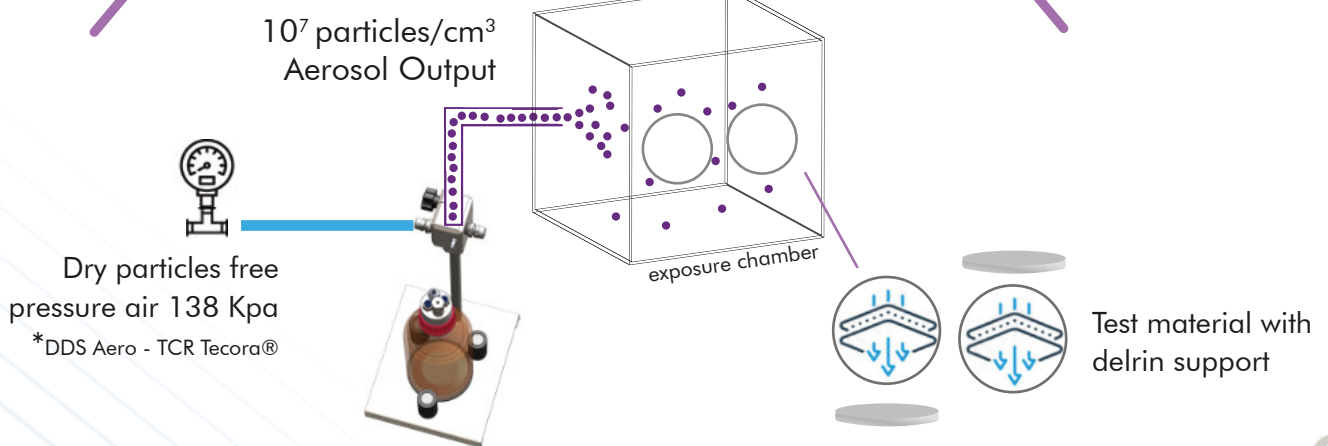
TCR Tecora[®] offers a DDS Aero system for zero air needed to the aerosol generator.

A solution, containing microorganisms, is sprayed into a box. Under pressure 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 founds on the shielded and the unshielded filter is used to assess the barrier properties of the protective clothing material.



class II microbiology
safety cabinet * option





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 item can be cleaned in autoclave.



TECHNICAL SPECIFICATIONS

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
Gas. Temp. sensor range	-50÷70°C Acc. 1°C Res. 0,1°C
Environment humidity sensor range	10÷99% UR (Optional)
Absolute press. sensor (opt)	0-103 kPa, Acc.±0,1kPa, Res.0,01 kPa
Flow Control	Manual constant flow controller (electronic option)
Sampler Control	µprocessor time (touch screen Option)
Dry Gas meter range	4 Keys
Gas. Temp. sensor range	10 Kg
Dimensions Bravo Bio Basic	280 x 280 x 280 mm
Power Supply	230 VAC 50-60Hz (110 Vac or 24 Vdc available)

CODES

Instrument	Code
Complete Aerosol Generator Model Laskin Aero 1-0,5 LT (1 Nozzle)	AC99-121-0001SP
Hepa Filter for Single Installation on Plate	AC99-121-0004SP
Test Chamber for ISO/DIS 22611 With Connection for Laskin Generator and Filterholders	AC99-121-0005SP
Kit of 02 Filterholders of 25 mm for ISO/DIS 22611	AC99-121-0006SP
Bravo M Basic 220V 0,15/35 L M	AA99-000-0020SP

