

TCTECORA®
POLLUTION CHECK

tcr-tecora.com

IMP 1



ACI 1 Stage

ANDERSEN CASCADE IMPACTOR



Made in Italy



tcr-tecora.com



OUTDOOR
AIR QUALITY



LABORATORY



LABORATORY

OUTDOOR
AIR QUALITYCompliant with:
ISO 14698

IMP 1

ANDERSEN CASCADE IMPACTOR

Produced with
AISI 316

Configuration of Andersen Impactor 6 Stages (viable):

Working rate	28,3 L/min
Particle size	1 Stage: 0,65µm
Material	AISI

Impactor 1 Single Stage is one of the configurations of Andersen Cascade Impactor 6 stages. It has utility as a simple and convenient method for estimating the concentration of viable airborne microorganisms.

The 1 Single Stage Viable Impactor consists of one sampling stage. It contains 400 jet orifices. When air is drawn through the sampler, multiple jets of air direct any airborne particles on to the surface of the collection plate. The 1 Single Stage Viable Impactor requires an exact flow rate of 28.3 L/min for a cut-off of 0,65 µm, or higher flow in case of different cut-off required. Pre-separator can be used to remove aerosol coarse fraction.

Particles are collected directly in the Petri (ø 90 mm) filled with the most appropriate culture medium.

It is possible to use also gelatine filter, impaction plates or any kind of support with RNA/DNA preservative, for example, to allow sample conservation of viruses.

The One Single Stage Viable Impactor is made of stainless steel, strong and durable material, not destroyed at high temperatures of the incubator and aggressive detergents.

Pump

To arrive until a flowrate 28,3 L/min, the correct pump is used and connected to the Impactor. It can be used Bravo X Bio or Bravo Basic R (TCR Tecora®) according to the correct working flowrate. High volume sampler like ECHO HV model can be used for flow until 1000 l/min.

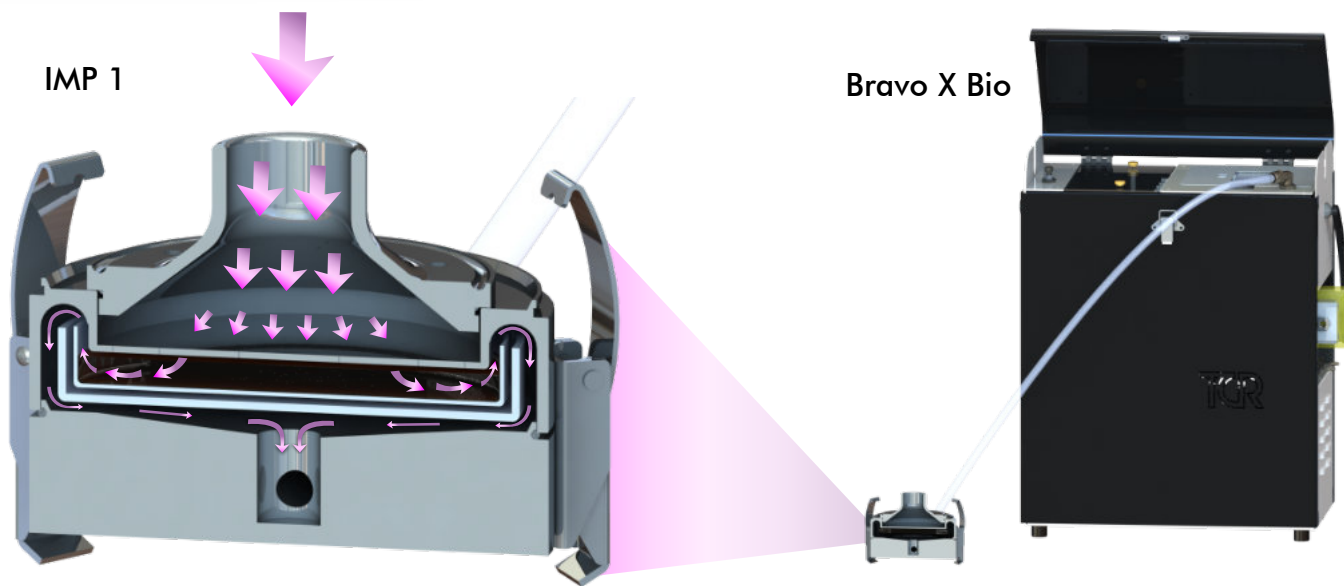


Food Production



IMP 1

Bravo X Bio



Sampling

Normal sampling periods for viable aerosols will vary from a few minutes up to 30 minutes depending on the purpose for which the sample is collected and the type of air environment being sampled.

After sampling, inoculated agar plate is incubated at the appropriate temperature for times ranging from hours for a fast-growing bacterium to develop a micro colony, to days for a fungus to develop into a visible colony. The mean number viable particles (aerobic bacteria or fungi) per unit of air can be calculated.

Applications



Codes

Andersen Cascade Impactor 1 Single Stage	AC99-120-0008SP
Manual pump, Bravo R Basic (max flow 50 l/min)	AA99-000-0040SP
Pump with automatic flow control, Bravo X Bio (max flow 60 l/min)	AA99-000-0740SP
Tripod for Multistage Impactor	AA99-120-0060SP
Glass Petri dishes, quantity 18	AC99-120-0006SP
Plastic Petri dishes, quantity 720	AC99-120-0007SP

2