

turbo DECCS

Turbo DECCS opens new horizons

basing the diagnosis on the non-gaseous components
of the exhaled air through the new method
of the Exhaled Breath Condensate - EBC.

The **TURBO DECCS** system is based
on the Patented concept of freezing the exhaled
air in a non-Rebreathing circuit that allows
in a matter of minutes, the easy, reliable and
repeatable collection of the exhaled breath
condensate sample, without patient
cooperation.



The precipitate of the condensate allow assessment
of the metabolic products from the respiratory cells
and from the non-volatile substances of the blood.

The ideal method for the determination
of the inflammatory markers, allows quantification
of bronchial inflammations, lung cancer, allergies,
degenerative processes and environmental effects.

TURBO DECCS
is a system oriented towards
the future for non invasive
biochemical determination
of the respiratory parameters



Some Clinical Applications:

- > Analysis of the inflammation stats of peripheral respiratory tracts
- > Determination of the effects of bronchoprovocation or by the induction or exposure tests in the respiratory tract
- > Identification of the lung cancer markers
- > Analysis of heavy metals

Technical Specifications:

- The electronic thermostatic control of the cooling temperature "Peltier Cell" converts the condensation of the water elements into vapour or suspended droplets in the collection cell
- Light, small and easy to carry, it is the ideal instrument that can be taken anywhere, including schools, factories, etc
- Adjustable condensation temperature of the exhaled breath
- The disposable collection cell (DECCS) guarantees the absence of chemical or bacterial contamination of the components, with which the patients come into contact
- Optional ventilation module ECoVent for respiratory parameters such as breathing frequency, ventilation, cumulative exhaled breath volume, flows, duration of the test, etc.

Supplied with a heavy duty case, a manual pressure valve, waterproofed, tested against dust and sand, crash and corrosive agents resistant. Easy to carry and safe for the instrument.

Used in the following applications:

- > Pediatrics
- > Pulmonary
- > Allergology
- > Occupational Medicine
- > Research

ECoVent module (optional)



Electrical and physical Specifications:

Voltage: 100/240 VAC

Frequency: 50/60Hz

Power Absorbed: 150 VA/80watt

Operating Temperature range: from 0° to + 35°C

Dimensions: w 160 mm x d 200 mm x h 310 mm

Weight: 5 Kg

Insulation: IP 20

Altitude of use: max 2000 metres above sea level

Approvals: CE conforming to European directives

Patents: Pending

Symbols: See instruction manual

Storage: environment of -10° +50° C and a relative humidity of 20/90% Rh

Also available are clinical and research articles and papers, and a list of the substances that can be identified and analysed with the test of the exhaled breath condensate (EBC).

The device is built in conformity to security norms in force, reference IEC 601-1 corresponding to CEI 62.5



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