

DENDRIDIAG® AIR for measurement of total flora in the air

Monitor the microbial quality of your air in real time



Air is responsible for the spreading of biological contaminants related to numerous industrial crisis (food or drugs contamination, product defects...) or that are potentially pathogenic for humans (hospitals, public buildings, offices...).

The control of the microbiological quality of the air remains an important economic challenge for production supervisors, public building managers or aeraulic circuit managers.

The current technologies are often limited by metrological aspects such as sampling strategy, biocollector efficiency or relevance of the analysis techniques.

Furthermore, the most commonly used detection technique is the cultural method. This implies long delay times for result obtention, and consequently, low reactivity for implementation of corrective actions.

With **DENDRIDIAG®AIR**, our main goal was to create an easy-to-use field method, reliable and superfast for a low price.

DENDRIDIAG® technology advantages SIMPLICITY: 4-step protocol. SENSITIVITY: high retention performances. RELIABILITY: control of environmental factors. RAPIDITY: sampling and analysis in less than 15 minutes. INTERACTIVITY: data mangement with Excel. FLEXIBILITY: autocontrol in real time on the field. TECHNICAL SUPPORT: free technical support available.



The ATP-metry of GL BIOCONTROL is used by many installations in Europe. Join us!



Application fields

The **DENDRIDIAG® AIR** kit aims to optimize risks management and to better understand microbiological phenomena araising in aeraulic circuits or ambiant air. For instance, air supply, hospitals, offices, composting facilities, methanation, farming... Implementing a biomonitoring of your facility by quantitative ATP-metry will allow you to:

- anticipate microbiological shifts,
- assess and optimize efficiency of cleaning and disinfection processes,
- identify critical areas in your facility.

Our ATP-metry kits also exist for industrial water (DENDRIDIAG[®] IW), sanitary water (DENDRIDIAG[®] SW), ultra-pure water (DENDRIDIAG[®] UPW) and surfaces (DENDRIDIAG[®] BF).

Protocol key points



L Microorganisms contained in the air are concentrated on a sterile filter porosity 0.45µm.

ATP is extracted from the living microorganisms retained on the filter using 12 drops of the **EXTRACTANT** buffer.

3 The extract is transfered to a test tube containing the **DENDRIDIAG®** reagent. Photon emission due to the chemical reaction is measured with the luminometer.

4 A known quantity of ATP is added to the sample to calibrate each measurement taking enzymatic activity of the reagent and environmental factors into account. The result is expressed in picogram ATP or equivalent bacteria per m3.

>>> www.gl-biocontrol.com

Kit content (for 30 measurements)

- 2 dropper bottles of DENDRIDIAG® AIR (10 measurements per dropper bottle),
- 4 dropper bottles of **EXTRACTANT** (8 measurements per dropper bottle),
- 1 dropper bottle of STANDARD 1 000 (contains 1 000 pgATP/drop),

- 1 USB flash drive which contains: detailed and illustrated operating modes, value interpretation guide, MSDS and table calculation.

Related products

- 1 luminometer (e.g. KIKKOMAN model C110),
- 1 consumable assortment for **DENDRIDIAG® AIR**.

Please, consult GL BIOCONTROL for information about compatibility of your luminometer or consumables with our DENDRIDIAG[®] kit.

4 easy ways to order

Wermail at contact@gl-biocontrol.com,

by fax at + 33 (0) 9 55 25 40 31,

🗞 by phone at + 33 (0) 9 67 39 35 20,

by mail at GL BIOCONTROL - 9, avenue de l'Europe, Cap Alpha - 34,830 CLAPIERS (FRANCE).