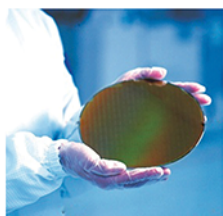


Monitor the microbial quality of your ultra-pure water in under 10 minutes



You are in charge of an ultra-pure water network. Microbial contamination of this type of water leads to production defects and high non-quality costs. You should monitor on a regular basis the evolution of the microbial water quality. As ultra-pure water offers very low level of nutrients, the quantity of culturable bacteria is low and thus non-representative. Consequently, you cannot rely on a culture-based method to reliably monitor ultra-pure water. Otherwise, prevention depends on unoptimized and expensive disinfection processes.

GL BIOCONTROL offers quantitative ATP-metry of high sensitivity with the kit **DENDRIDIAG® UPW**.

It is the only brand on the market that offers a rapid microbial quantification method with such a low limit of detection.

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

Advantages of **DENDRIDIAG®** kit

SENSITIVITY: detect less than 100 living bacteria per liter.

RELIABILITY: control of environmental factors.

REPEATABILITY: uncertainty controlled (0.15 LOG).

RAPIDITY: complete analysis in less than 10 minutes.

SIMPLICITY: 4-step protocol.

INTERACTIVITY: data management with Excel.

TECHNICAL SUPPORT: free technical support available.

Up to
100
eq.bact./l
detected

Reduction
of
maintenance
frequency

60%
less of
production
defects

Up to
100%
of useful
measurements

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

Application fields

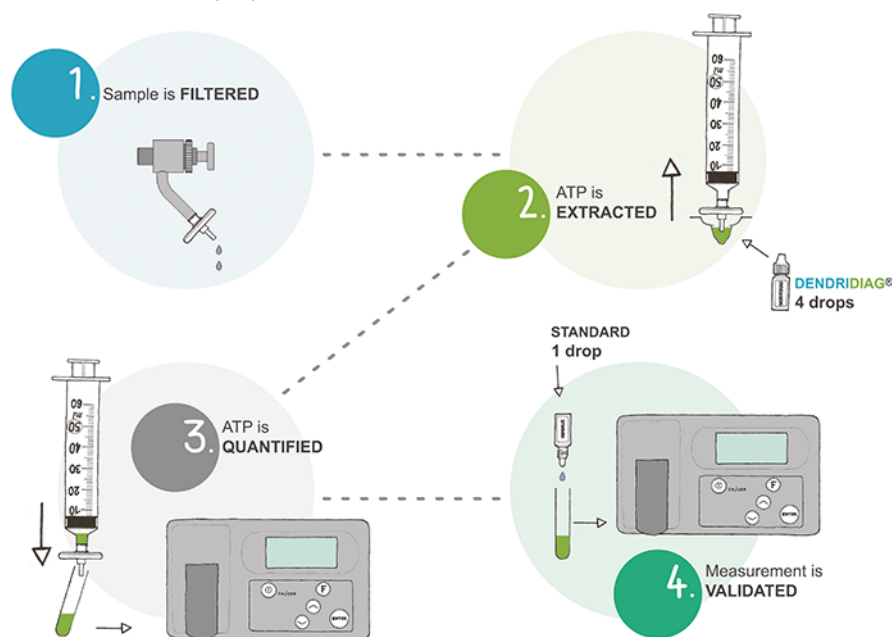
The **DENDRIDIAG® UPW** kit aims to monitor ultra-pure water production networks (>18 MOhm/cm), dialysis water, sterile water for injection, micro-electronics processes... It is used to secure the production processes, optimize treatments and maintenance operations, evaluate cleaning and disinfections processes efficiency. Regular monitoring leads to a reduction of the production costs (reduction of nonconformance costs), and of the environmental footprint (less treatment products).

Using ATP-metry on your installations will allow you to:

- Monitor microbial quality of water circuit in real-time,
- Independently and reasonably manage biocide and bio-dispersant treatments,
- Assess and optimize cleaning and disinfection operating procedures,
- Identify the critical points of the network.

Our ATP-metry kits also exist for industrial water (**DENDRIDIAG® IW**), sanitary water (**DENDRIDIAG® SW**), surfaces (**DENDRIDIAG® BF**) and air (**DENDRIDIAG® AIR**). Please, contact us for further information.

Protocol key points



1 Microorganisms contained in the water sample are concentrated on a sterile filter porosity 0.45 µm.

2 ATP is extracted from the living microorganisms retained on the filter using 4 drops of the **DENDRIDIAG®** reagent. The bioluminescence reaction begins.

3 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 in equivalent bacteria per litre.

Kit content

- 6 dropper bottles of **DENDRIDIAG® UPW** (10 measurements per dropper bottle),
- 1 dropper bottle of **STANDARD 1000** (contains 1 000 pgATP/drop),
- 1 USB flash drive which contains: detailed and illustrated operating modes, video tutorial, value interpretation guide, table calculation, MSDS.

Related products

- 1 luminometer (e.g. KIKKOMAN model C110),
- 1 consumable kit for ultra-pure water,
- 1 vacuum pump.

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

4 easy ways to order

- @ by e-mail 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).

>>> www.gl-biocontrol.com