

## Monitor the microbial surface quality of your facility in under 1 minute



You want to anticipate biofouling of surfaces and make sure there is no biofilm. You wish to understand and improve management of microbial growth. You are looking for an easy-to-use analysis method that helps you validate and optimize, in real time, prevention and cleaning actions efficiency. You need reliable and easily understandable results to prevent risks of biocontamination. An answer « clean » or « dirty » is not enough for you (results only in RLU).

GL BIOCONTROL uses and offers quantitative ATP-metry with the brand **DENDRIDIAG®**. This monitoring indicator is the most appropriate tool to analyse microbial contamination of surfaces. Based on qualitative ATP-metry, a technique largely used in food industry, our research and development team optimized ATP-metry to propose a powerful analysis method.

**Our product DENDRIDIAG® BF is the only one on the market that quantifies total flora of surfaces in real time** (results in picogram ATP per cm<sup>2</sup> or in equivalent bacteria per cm<sup>2</sup> with an uncertainty lower than 0.15 LOG). **It is an easy-to-use field method, reliable and superfast for a low price.** Our measurement protocol does not require any skills and is in line with the HACCP approach.

### Advantages of **DENDRIDIAG®** kit

**RAPIDITY:** complete analysis in less than 1 minute.

**SIMPLICITY:** 4-step protocol.

**RELIABILITY:** control of environmental factors.

**SENSITIVITY:** detection of less than 50 bacteria per cm<sup>2</sup>.

**FLEXIBILITY:** compatible with most luminometers.

**INTERACTIVITY:** data management with Excel.

**TECHNICAL SUPPORT:** free technical support available.

Up to  
**50**  
eq.bact./cm<sup>2</sup>  
detected

Result in  
less than  
**1**  
minute

Save up to  
**40%**  
on treatment  
products

Up to  
**100%**  
of useful  
measurements

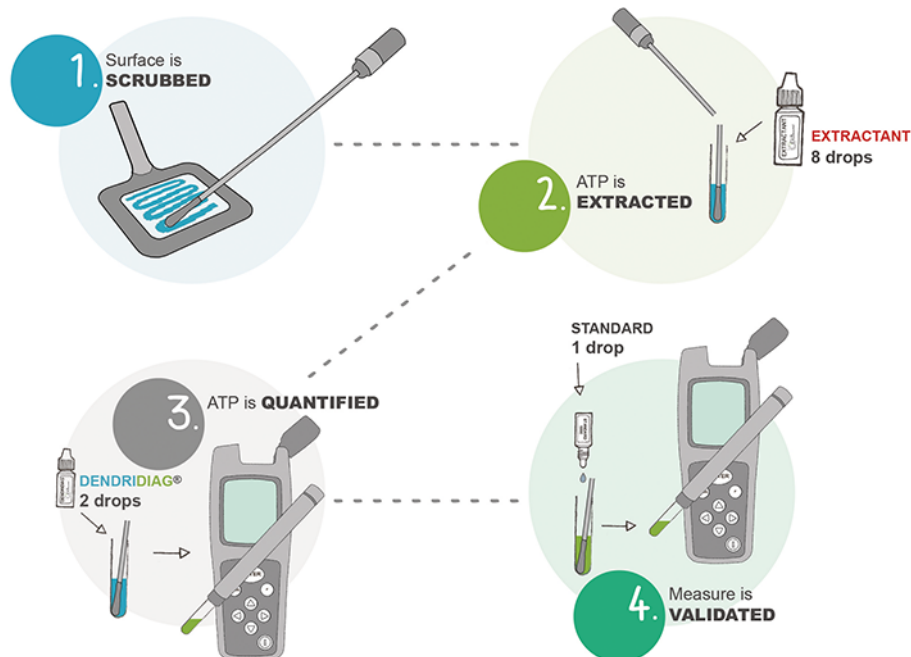
## Application fields

The **DENDRIDIAG® BF** kit aims to optimize production processes management by monitoring the microbial quality of surfaces and by detecting biofilm presence. It can be used on pipes of cooling water systems, pooldecks, swimming pools, work surfaces (food or pharmaceutical industry) or on sanitary water production units. Regular monitoring of total flora by quantitative ATP-metry on surfaces will allow you to:

- Monitor in real time the microbial quality of the surfaces of your installation,
- Independently and reasonably manage treatments on your installation,
- Assess and optimize cleaning and disinfection operating procedures (chemical or physical).

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

## Protocol key points



**1** The surface to be analysed is sampled using a sterile swab and a sampling template of 20 cm<sup>2</sup>.

**2** Using eight drops of the **EXTRACTANT** reagent, ATP is extracted from the microorganisms retained on the swab.

**3** Two drops of **DENDRIDIAG®** reagent are added and the bioluminescence reaction begins. 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 cm<sup>2</sup>.

## Kit content

- 5 dropper bottles of **DENDRIDIAG® BF** (20 measurements per dropper bottle),
- 5 dropper bottles of **EXTRACTANT** (20 measurements per dropper bottle),
- 2 dropper bottles of **STANDARD 1000** (contain 1 000 pgATP per drop),
- 1 stainless steel sampling template of 20 cm<sup>2</sup>,
- 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 PD-30),
- 1 consumable kit for surfaces.

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](mailto: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).

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