

Biofilm forms when bacteria attach to surfaces exposed to water, and begin to excrete a slimy, glue-like substance. This matrix then feeds and protects bacteria against the action of biocides. Only a good and complete tailor-made water treatment can avoid the biofilm growth. The determination of biofilm amount in the system thanks to **HydroBio®** test kit enables to adapt the biocide treatment to the variable conditions and thus to **control better microbiological** risks, like LEGIONNAIRE'S DISEASE.

## Applications

You can use HydroBio test kit for biofilm determination especially in:

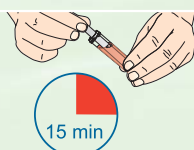
- » Cooling water systems
- » Process water (Food and Beverage industries, Paper Industry, etc.)
- » Membrane filtration processes

## Using instructions: Very easy and rapid

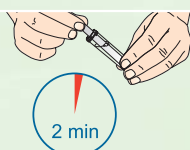
1. Place a coupon in the rack inside the water system during a defined time (consult your local representative).



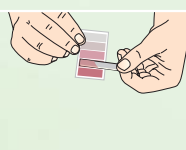
2. Place the coupon for 2 minutes into the washing solution



3. Place the coupon for 15 minutes into the colouring solution



4. Place the coupon for 2 minutes into the washing solution



5. Compare the coloured coupon with the graduation

Biofilm amount	
5 g/m <sup>2</sup>	Low biofilm amount
15 g/m <sup>2</sup>	
25 g/m <sup>2</sup>	Medium biofilm amount
35 g/m <sup>2</sup>	Check the treatment
45 g/m <sup>2</sup>	High biofilm amount
	Clean the system and adjust the treatment

## What will HydroBio® bring you?

### TECHNICAL BENEFITS

- » To complete the monitoring of your system's water treatment and biocide treatment
- » To adjust the biocide treatment avoiding microbiological growth (Ex: Legionella control) and corrosion

### COST REDUCTION

- » More optimised biocide consumption
- » Less cleaning operations
- » Better heat transfer and less risk of pipe plugging

### CONVENIENCE

- » A very convenient test kit, usable by operational staff. No necessity of lab facilities

### SAFETY AND REGULATION ASPECTS

- » The must for maximum safety regarding microbiological risks
- » A good way to meet the regulation requirements, regarding microbiological growth and risk assessment

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