

24 Hour Legionella Testing

Quantification of *Legionella* using real time PCR

When you need to know if there is *Legionella* present – you need to know fast!

The standard method for the quantification of Legionella in water systems is the culture method which is labour intensive and can take up to 12 days to generate a confirmed result.

The Rapid Legionella test from BAYLY means that a sample of water can be sampled & transported to the laboratory inside a response time of 24 hours which will result in a confirmed results in just 48 hours.

All testing work is carried out by a professional and reliable laboratory which is audited by the Drinking Water Inspectorate, is UKAS accredited and have highly trained analysts.

In association with Genesystems®, our favoured laboratory is able to offer a real-time assay for the quantification of Legionella in environmental samples using GeneExtract® for DNA extraction and purification and GeneDisc® Cyclor for real-time PCR.

FAQ;

Q. What does PCR mean?

A. Polymerase Chain Reaction; a technique for amplifying DNA, making it easier to isolate, clone and sequence.

Q. Does the test only detect live Legionella bacteria?

A: Yes, compared with other Rapid tests, this new test only detects live Legionella.

Q. What is the detectable level for Legionella using the Rapid test?

A: Detection limit is 167 Genomic units per litre (GU/ml) of sample.

Q. What is the difference between Genomic units and Colony forming units?

A. CFU's is a measurement unit of the ability of a cell to form a colony. Treatment of stressed cells maybe present but not grow using a culture method. GU is a measure of the total genetic material within a sample. In this case it is specific to *Legionella*.



Benefits;

Rapid crisis prevention:

Prevent over reaction and deal with authenticated data instead of waiting for almost 2 weeks or worst – acting in crisis.

Confirmation of Remedial Actions:

Ideal for when remedial actions have been carried out following confirmed results.

Effective Management:

Rapid and accurate information means effective decisions and therefore effective actions

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