Rapid results in the field drive immediate action with the **GeneCount®** **in-field qPCR solution**

Microorganisms cost the oil & gas, water, and manufacturing industries billions of dollars in damage annually by corroding metal, degrading product, and inhibiting processes.

Quantitative Polymerase Chain Reaction (qPCR) is a highly sensitive DNA-based analysis that can be used to detect and quantify those microbes or groups of microbes that are known to be significant in your process. Results of this analysis can help you to quickly understand if you are at risk so you can take action faster, while making better decisions.

Now imagine having access to this kind of DNA data while in the field.

LuminUltra's GeneCount® in-field qPCR solution gives you the tools you need to run DNA analysis on your samples, review the results, and make immediate targeted treatment decisions based on that feedback, all in approximately 2 hours and while onsite. Because there is no need to get samples back to a lab for testing, samples don't need to be preserved. This is a huge benefit for remote or offshore locations – where shipping samples is costly and not always readily available.

Why use LuminUltra's solution? Here's the GeneCount® advantage:

- Uses state-of-the-art assays that target microbial DNA ensuring high specificity and maximum coverage of damaging or beneficial organisms
- DNA purification kits are optimized for target applications, designed to remove interferences, and enable you to extract DNA on-site
- Can run multiple samples at a time - up to 14 simultaneously plus controls depending on the device
- Rapid results in approximately 2 hours
- Optimized qPCR workflow designed for immediate use out of the box
- Training and ongoing support from DNA and Applications experts
- qPCR complements 2nd Generation ATP testing by allowing for specific, target microbe quantification after rapid, total biomass quantification.

LUMINULTRA®
microbial monitoring

Here's how our GeneCount® portable qPCR device works

- Collect water or biofilm (solid) or surface samples
- Purify DNA from multiple samples simultaneously (10 minutes)
- Mix DNA with freeze-dried testing reagents (3 minutes)
- Analyze samples automatically on your GeneCount® in-field qPCR device (60 minutes)
- Review results and make immediate treatment decisions

Getting started.

Everything you'll need, and available from LuminUltra:

- LuminUltra's GeneCount® Q-8 and Q-16 real-time quantitative PCR devices deliver high performance in a compact and portable package. Q-8 and Q-16 (8 and 16 wells, respectively)
- DNA purification kits
- Targeted qPCR reagent/assay panels. Ask us for a complete list of pre-developed assays.

Implementing qPCR testing into your routine microbiological testing plans can help prevent costly problems caused by microorganisms. Now it's available for in-field applications.*

Are you familiar with LuminUltra's flagship 2nd Generation ATP technology, used to rapidly quantify biomass? ***Ask for a plan for integrating ATP and DNA into your water quality testing plans.***

**LuminUltra's GeneCount® DNA-based portfolio includes services, lab, and in-field solutions.*

The process is simple.
The results are actionable.
Implement qPCR testing today.

LUMINULTRA®
microbial monitoring