www.vermicon.com











Is there a need for a new Legionella detection method?









Conventional methods have disadvantages

Slow Growth of bacteria requires days or weeks

Insufficient Only a minority of bacteria is cultivable

Inaccurate Precise identification can be difficult

Inexact Only a part of the grown colonies are confirmed by further tests





VIT vermicon identification technology

The innovative fast and specific detection technology









Each bacterium has individual signatures (locks)



→ Specific for single bacteria species

Specific for whole bacteria groups







Gene probes are developed for these signatures (keys



Gene probes are tiny pieces of DNA





The gene probes fit to the signatures like the key to the lock



With VIT the bacteria are detected by their shining

VIT is absolutely specific

VIT will find it!

ر ان الافرىية

and the second second

3000 . .

Sample

VIT-Legionella: A highly-specific presence/absence test for *Legionella* and *L. pneumophila* in drinking water

VIT-Legionella: highly-specific detection of *Legionella* and *L. pneumophila* in drinking water

VIT - a system which fulfills high industrial standards

ScanVIT – the fast and easy quantification system for Legionella and L. pneumophila

ScanVIT – only few steps from the filtered water sample to the result

ScanVIT – 2 possibilities to analyse the final filter

Micro-colonies of *Legionella* are shining in red, whereas *L. pneumophila* shines in green and red

Microscope Version Quantification levels: • < 100 CFU • 100-1.000 CFU • 1.000-10.000 CFU • > 10.000 CFU • > 10.000 CFU

Within 5 min all *Legionella* species are quantified

ScanVIT-Legionella has many advantages

Fast test saves at least 5 days until the final result

2 in 1 with one test *Legionella* spec. AND *Legionella pneumophila* are detectedSave every colony is confirmed

Error-free not influenced by non-target bacteria or inhibiting substances

Easy-to-use no molecular-biological skills necessary

www.vermicon.com

