



AquaScreen® Legionella

Features

Type of PCR	Quantitative real-time PCR (qPCR)
Description	The AquaScreen® <i>Legionella</i> qPCR Detection Kit is used for DNA samples prepared with the AquaScreen® <i>Fast Extract</i> procedure for quantification of <i>Legionella pneumophila</i> in waters samples. The supplied primer set is specific for a segment of the <i>mip</i> region of the <i>Legionella pneumophila</i> genome. The included surrogate contains inactivated bacterial particles with a morphology comparable to <i>Legionella pneumophila</i> . This surrogate can be spiked into the original water samples and detected specifically with a separate probe. That way the efficiency of the sample preparation process can be monitored quantitatively.
Recommended Use / Scope	Applicable in research and industry for QA testing of household and process water. Not recommended for clinical diagnostics, testing of human samples or pharmaceutical products.
Kit Components	Lyophilized primer, probes, nucleotides and polymerase Rehydration Buffer Lyophilized Positive Control DNA Lyophilized Internal Amplification Control Surrogate
Package Sizes	Primer sets and nucleotides are prepared in aliquots of 25 tests. Cat.-No. 34-2025 25 reactions Cat.-No. 34-2100 100 reactions Cat.-No. 34-2250 250 reactions
Required Consumables	PCR reaction tubes Optional: For calibration we recommend our <i>Legionella pneumophila</i> DNA Quantification Standard (Cat.-No. 52-0101).
Required lab devices	Pipetting equipment qPCR cycler with filter sets for FAM, VIC and ROX
Shelf Life and Storage	Components are maintainable at +2 to +8 °C for at least 6 months. After rehydratisation the reagents must be stored at -18 °C
AFNOR XP T90-471 compliance	Yes