

FDD - DI-CHECK FREE DNA DEGRADATION KIT



The presence of extracellular (free) DNA in water samples is a primary challenge for Real-Time PCR, often leading to false-positive results by detecting non-viable cells. The DI-Check Free DNA Degradation Kit provides the solution by enzymatically degrading this interfering free DNA before extraction. Used alongside the DNAPure Water Isolation Kit, this powerful combined workflow ensures that only genomic DNA from intact, viable cells is isolated. This rigorous process enables the accurate detection and quantification of viable microorganisms for reliable environmental monitoring. The entire workflow is fully validated and meets acceptance criteria with both the DI-Check Legionella pneumophila and DI-Check Legionella spp. kits

Product highlights

READY TO USE REAGENTS

No preparation is required prior to use, ensuring fast and simple implementation

SPECIFIC ENZYMATIC DEGRADATION

DNA in intact and live cells is protected, the treatment Eliminates only extracellular free DNA before extraction

COMPATIBLE WORKFLOW

Validated for use in combination with DNAPure Water Isolation Kit

Intended use



Enzymatic degradation of free DNA in environmental water samples



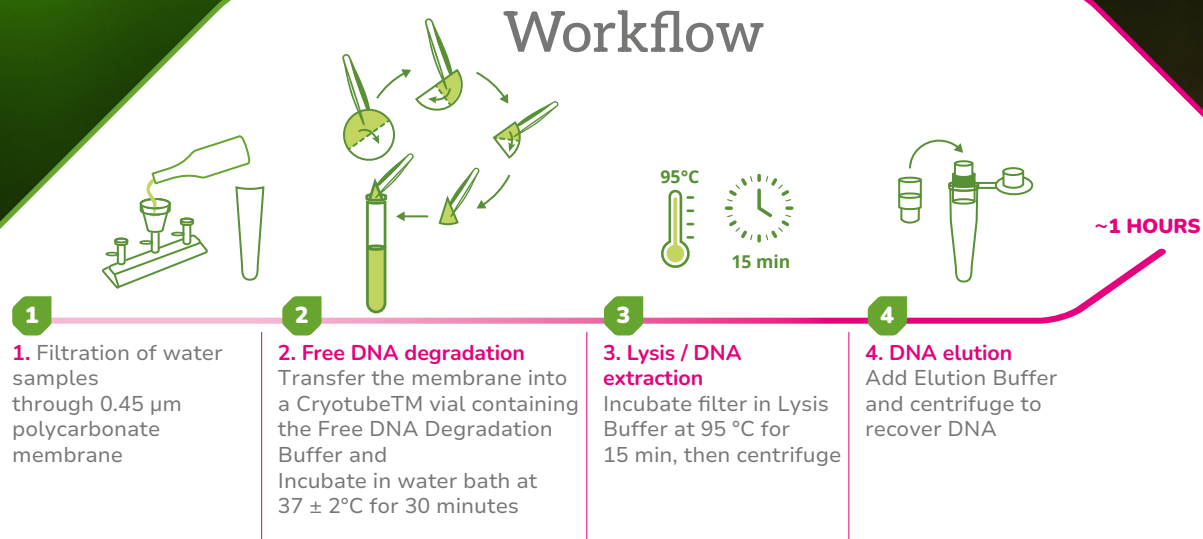
Preparation of samples for DNA extraction from living and intact cells



Combination with DNAPure Water Isolation Kit for Legionella detection workflows



Workflow



Total analysis time: ~1 hours

Product Features

SUPERIOR PERFORMANCE

Enzymatic system efficiently degrades free DNA prior to extraction

RELIABILITY

Guarantees recovery of DNA from viable cells only, reducing false positives

COMPATIBILITY

Designed to work seamlessly with DNAPure Water Isolation Kit (MBK0080 – Diatheva)

EASE OF USE

Ready-to-use reagents for straightforward integration into laboratory workflows

ACCURACY

Enables reliable molecular analysis of environmental samples for Legionella detection

CONVENIENCE

Simple procedure with fast enzymatic treatment and inactivation steps

Technical specifications

TEST METHOD

Enzymatic degradation of free DNA

FORMAT

250 extractions

STORAGE TEMPERATURE

Activation Buffer: room temperature; Enzyme: -20 °C

SPECIES SAMPLE

Environmental water samples

SAMPLE TYPE

Water filters or concentrates

ORDERING INFORMATION

CODE	SIZE
MBK0080-FDD	250 EXTRACTIONS

For more information or to place an order, contact us at info@diatheva.com