Condalab

Reference: 6500 **Technical Data Sheet**

Product: Condagene® Complex Extraction Kit

Specification

Kit designed for the extraction/purification of DNA in samples with high level of PCR inhibitors.

Presentation

	Packaging Details	Shelf Life	Storage
Kit for 100 purifications Bottle 100 ml + bottle 30 ml with: ± 2 ml	1 box with 1 bottle 100 ml and 1 bottle 30 ml, tag labelled, plastic cap.	12 months	2-8 ºC

Composition

Reagents	Identification	Content
R1 Reagent	Lysis Buffer	1 x 25 ml
R2 Reagent	Inhibitors neutralization and adjustment buffer	1 x 75 ml

Description /Technique

Description:

Extraction and purificatiion kit for the rapid obtaining of genomic DNA, without the need for enzymatic digestions, phenol/chloroform or separation columns.
Kit from all types of microorganisms in a variety of matrices, in which high levels of PCR inhibitors may be present.
The samples contained in a microtube are subjected to alkaline lysis in the absence of chaotropic agents but with a combination of resins that retain different organic molecules and ions, which could affect the quality of the DNA.
In a last step, the sample is resuspended with a pH correcting buffer containing neutralizing agents for large PCR inhibitors (for example, humic acids) not captured by the resins.
This product is compatible with a viability PCR procedure.

Technique:

Follow the kit's instructions.
Each laboratory must evaluate the results according to specifications.
Proceed according to directives and regulations.

Quality control

Control PCR

S. enterica ATCC 13076 qPCR detection

Test	Specification
pH R1	>12.5
pH R2	<3.0
qPCR Ct (0.2 ml, O.D 1)	17-19
Internal Control Signal (Ct)	28-32
Negative Control Signal (Ct)	No signal

Sterility control

Add 5ml of the sample to 100 ml of TSB and to 100 ml Thioglycollate.
Check at 7 days after incubation in same conditions.

Bibliography

Quick DNA purification Kit Instruction