

Condagene

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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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

Kit for 100 purifications
Bottle 100 ml + bottle 30 ml
with: ± 2 ml

Packaging Details

1 box with 1 bottle 100 ml and 1 bottle 30 ml, tag labelled, plastic cap.

Shelf Life

12 months

Storage

2-8 °C

Composition

Reagents

R1 Reagent

R2 Reagent

Identification

Lysis Buffer

Inhibitors neutralization and adjustment buffer

Content

1 x 25 ml

1 x 75 ml

Description /Technique

Description:

Extraction and purification 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

pH R1

pH R2

qPCR Ct (0.2 ml, O.D 1)

Internal Control Signal (Ct)

Negative Control Signal (Ct)

Specification

>12.5

<3.0

17-19

28-32

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.

Reference: 6517**Technical Data Sheet****Product:** Condagene[®] Legionella spp**Specification**

PCR kit designed for the detection and quantification of Legionella spp in water samples according to ISO/TS 12869.

PresentationKit for 100 reactions
Microtubes
with: ± 2 ml**Packaging Details**

5 microtubes per box.

Shelf Life

8 months

Storage

-20-15 °C

Composition

Reagents	Identification	Content
5x Reagent Mix*	Green	1 x 440 µl
Primers-Probes qPCR [†]	Blue	1 x 100 reactions
Standard DNA (<i>L. pneumophila</i> ATCC 33152)	Yellow	1 x (1x10exp7 UG)
Water PCR grade	White	2 x 1.5 ml

* Reagent mix: **Solis Fast Probe ® qPCR Mix with UNG (no Rox)** (contains HOT FIREPol® DNA Polymerase, UNG, qPCR buffer, dNTP mix - dATP, dCTP, dGTP, dUTP)

[†] Contains specific primers and probes (Legionella spp & Internal control) and DNA of Internal control.

Solis Fast Probe and Hot Firepol ® are Solis Biodyne trademark, these reagents are manufactured under license.

Description /TechniqueDescription:

Regarding the use of this kit as a detection and quantification system for Legionella spp in water samples, it complies with the technical specifications of document ISO / TS 12869.

The operation of the kit has been verified according to the specifications of ISO / TS 12869 and the results are available to the user upon request from their distributor. The reliability of the results and the adequacy of the intended purpose are conditioned by a good recovery during the concentration and elution phase. This phase is not within the scope of this kit and depends solely on the good practices of each laboratory. We recommend following the provisions of the current ISO 11731 Legionella Count standard.

The primer and probe set are 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**

Initial activation: 3 min at 95°C

Denaturation: 5 s a 95°C

Annealing/Extension: 40 s a 60°C. Fluorescence detection

Total qPCR cycles: 45

Test

PCR Efficiency. Dilutions 10exp0-10exp3, triplicate.

Slope Calibration Curve ($y=ax+b$)

LD qPCR <10 UG (n=10)

Internal Control Signal (Ct)

Negative Control Signal (Ct)

Specification

75%-125%

-4,115 < a < -2,839

LD qPCR > 90%

28-32

No signal

Sterility control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Reference: 6516

Technical Data Sheet

Product: Condagene[®] *Listeria monocytogenes*

Specification

PCR kit designed for the detection and quantification of *Listeria monocytogenes* in food samples according to standard microbiology procedures.

Presentation

	Packaging Details	Shelf Life	Storage
Kit for 100 reactions Microtubes with: ± 2 ml	5 microtubes per box.	12 months	-20-15 °C

Composition

Reagents	Identification	Content
5x Reagent Mix*	Green	1 x 440 µl
Primers-Probes qPCR [†]	Blue	1 x 100 reactions
Standard DNA (<i>L.monocytogenes</i> ATCC35152)	Yellow	1 x (1x10exp7 UG)
Water PCR grade	White	2 x 1.5 ml

* Reagent mix: **Solis Fast Probe ® qPCR Mix with UNG (no Rox)** (contains HOT FIREPol® DNA Polymerase, UNG, qPCR buffer, dNTP mix - dATP, dCTP, dGTP, dUTP)

[†] Contains specific primers and probes (*Listeria monocytogenes* & Internal control) and DNA of Internal control.
Solis Fast Probe and Hot Firepol ® are Solis Biodyne trademark, these reagents are manufactured under license.

Description /Technique

Description:
PCR kit designed for the detection and quantification of *Listeria monocytogenes* in food samples after enrichment steps according to standard microbiology procedures. It can also be used to confirm suspect colonies isolated in selective culture media.

Regarding the use of this kit as a detection system for *Salmonella* in food samples, it is based on the technical specifications of the method **FDA, BAM Protocol Simultaneous Confirmation of *Listeria* species and *L. monocytogenes* isolates by real-time PCR.**

This set of primers and probes 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.

The use of the PCR Kit together with the nucleic acid extraction reagent (Quick DNA) is suitable for the categories of foods that may contain this microorganism when the enrichment is carried out following **ISO 11290-1**.

Regarding the use of this kit as a colony confirmation tool, this use is covered by the **ISO 7218: A1 2013** Microbiology of food and animal feeding stuffs – General requirements and guidance for microbiological examinations, in point 12.5

This kit is shipped at room temperature, the shipment at room temperature does not affect the performance of the kit.

Once received, store the kit at -20°C; under these conditions and with proper handling, the kit performance is guaranteed at the least until the expiration date.

Reference: 6516

Technical Data Sheet

Product: Condagene[®] *Listeria monocytogenes*

Quality control

Control PCR

Initial activation: 3 min at 95°C

Denaturation: 15 s a 95°C

Annealing/Extension: 60 s a 60°C. Fluorescence detection

Total qPCR cycles: 45

Test

PCR Efficiency. Dilutions 10exp0-10exp3, triplicate.

Slope Calibration Curve ($y=ax+b$)

LD qPCR <10 UG (n=10)

Internal Control Signal (Ct)

Negative Control Signal (Ct)

Specification

75%-125%

-4,115 < a < -2,839

LD qPCR > 90%

28-32

No signal

Sterility control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Reference: 6501

Technical Data Sheet

Product: Condagene[®] Quick Extraction Kit

Specification

One-step kit designed for the extraction/purification of DNA contained in samples with moderate or low levels of PCR inhibitors.

Presentation

Kit for 100 purifications
Bottle 30 ml
with: 30 ± 2 ml

Packaging Details

1 box with 1 bottle 30 ml, tag labelled, plastic cap.

Shelf Life

12 months

Storage

2-8 °C

Composition

Reagents

Quick Reagent

Identification

Lysis Buffer

Content

1 x 30 ml

Description /Technique

Description:

Extraction and purification kit for the rapid obtaining of genomic DNA, without the need for enzymatic digestions, phenol/chloroform or separation columns.

The samples contained in a microtube are subjected to thermal 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. Moreover, the reagent buffer contains neutralizing PCR inhibitors with high molecular weight (i.e humic acids) non removed 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

qPCR Ct (0.2 ml, O.D 1)
Internal Control Signal (Ct)
Negative Control Signal (Ct)
pH Reagent

Specification

17-19
28-32
No signal
8,0 ± 0,2

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.

Reference: 6515**Technical Data Sheet****Product:** Condagene[®] Salmonella spp**Specification**

PCR kit designed for the detection and quantification of *Salmonella* spp in food samples according to standard microbiology procedures.

Presentation

Kit for 100 reactions
Microtubes
with: ± 2 ml

Packaging Details
5 microtubes per box.

Shelf Life
8 months

Storage
-20-15 °C

Composition

Reagents	Identification	Content
5x Reagent Mix*	Green	1 x 440 µl
Primers-Probes qPCR [†]	Blue	1 x 100 reactions
Standard DNA (<i>S. enterica</i> ATCC 13076)	Yellow	1 x (1x10exp7 UG)
Water PCR grade	White	2 x 1.5 ml

* Reagent mix: **Solis Fast Probe[®] qPCR Mix with UNG (no Rox)** (contains HOT FIREPol[®] DNA Polymerase, UNG, qPCR buffer, dNTP mix - dATP, dCTP, dGTP, dUTP)

[†] Contains specific primers and probes (*Salmonella* spp (FAM) + Internal PCR Control (HEX)) and DNA of Internal control.
Solis Fast Probe and Hot Firepol[®] are Solis Biodyne trademark, these reagents are manufactured under license.

Description /Technique

Description:
PCR kit designed for the detection and quantification of *Salmonella* spp in food samples after enrichment steps according to standard microbiology procedures. It can also be used to confirm suspect colonies isolated in selective culture media.

Regarding the use of this kit as a detection system for *Salmonella* in food samples, it complies with the technical specifications of the method § 64 LFGB BVL 00.0098 developed by the group "Microbiology of molecular biological methods" of the German Federal Office of Consumer Protection and Food Safety and evaluated in an interlaboratory test with 13 participants. The PCR primers and probes contained in this kit also comply with DIN 10135: 2013-05 (Microbiology of food and animal feeding stuffs - Polymerase chain reaction (PCR) for the detection of food-borne pathogens - Method for the detection of *Salmonella*)
This set of primers and probes 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**

Initial activation: 3 min at 95°C

Denaturation: 5 s a 95°C

Annealing/Extension: 40 s a 60°C. Fluorescence detection

Total qPCR cycles: 45

Test

PCR Efficiency. Dilutions 10exp0-10exp3, triplicate.

Slope Calibration Curve ($y=ax+b$)

LD qPCR <10 UG (n=10)

Internal Control Signal (Ct)

Negative Control Signal (Ct)

Specification

75%-125%

-4,115 < a < -2,839

LD qPCR > 90%

28-32

No signal

Sterility control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

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