AMPLIQON
PCR ENZYMES & REAGENTS

Ampliqon A/S
www.ampliqon.com
info@ampliqon.com

Stenhuggervej 22
5230 Odense M
Denmark

Phone: +45 70201169
VAT No.: DK 26388899

Q-Extract DNA Extraction Solution

MADE IN DENMARK

Cat. No.	Reactions	Q-Extract DNA Extraction Solution ID: 4900100
A560001	100	1 x 10 ml
A560004	500	5 x 10 ml
A560042	5000	1 x 500 ml
A560099	20	1 x 2 ml

Product description

The Q-Extract DNA Extraction solution is designed for rapid and efficient extraction of PCR-ready DNA from various sample types; mammalian tissues (such as mouse tails and ear snips), plant leaves, saliva and bacteria. The non-toxic Q-Extract DNA Extraction Solution enables the extraction of DNA from tissues in just 8 minutes. The extraction protocol is divided into two simple heating steps, which can be directly followed by PCR analysis, such as screening and genotyping.

The one-reagent set-up is easily scaled and can be conducted by robotic automation platforms. Depending on the sample size, the DNA extraction can be performed in PCR tubes or 1.5 ml tubes using either a thermocycler or heating block.

Composition of Q-Extract DNA Extraction Solution

- Optimized DNA extraction solution

Recommended Storage and Stability of Kit Components

Q-Extract DNA Extraction Solution: Long term storage at -20 °C. Product expiry at -20 °C is stated on the label. It can be stored at +4 °C for up to 3 months. Q-Extract DNA Extraction Solution tolerates up to 20 freeze-thaw cycles. It is recommended to aliquot the Q-Extract into smaller volumes.

Quality Control

Each batch of Q-Extract DNA Extraction Solution is functionally tested.

Extraction Protocol

Preparation of DNA extraction should be performed in a separate area from that used for setting up the PCR reaction.

1. Thaw Q-Extract DNA Extraction Solution. For the first time use, aliquot the Q-Extract DNA Extraction solution into smaller volumes. (Q-Extract DNA Extraction Solution has a cloudy appearance).
2. Add your sample to a tube containing 100 µl Q-Extract DNA Extraction Solution. Recommended sample sizes are shown in Table 1.
3. Vortex the tube containing the sample and the DNA extraction solution for 15 sec. Make sure that the sample is completely covered by the Q-Extract.
4. Transfer the tube to a heat block or a thermal cycler and incubate for

    1. 65 °C for 6 min
    2. 98 °C for 2 min
    3. 4 °C (or cool down on ice)

    The DNA extract is now ready for PCR.

DNA extracts are stable at -20 °C for one week or long term at -80 °C.

Table 1. Sample sizes

Sample	Q-Extract DNA Extraction Solution	
	100 µl	500 µl
Tissue*	0.5 – 10 mg	10 – 50 mg
Plant**	2 – 10 mg	10 – 50 mg
E. coli	1 colony (Φ 0.5 - 2 mm)	1 colony (Φ 0.5 - 5 mm)
Saliva	10 – 20 µl	50 - 100 µl

* Examples of tested tissues include mouse tail snip, mouse organs and chicken breast.
**Examples of tested plant materials include leaves from stinging nettle and ivy.

Notes:

- For genotyping of fish fins and other applications please visit our website.

For Research Use Only. Not for use in diagnostics procedures.

Other product sizes, combinations and customized solutions are available. Please look at www.ampliqon.com or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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DOMINIQUE DUTSCHER SAS