

EXTRACLEAR SOLUTION FOR ADN EXTRACTION

Cat. No.: 257747

100 Reactions of 100 µl

-	Extraclear Solution for ADN Extraction
ID No.	CL10.000-0001
Cap colour	Clear
Content	1 x 10 ml

MADE IN DENMARK

Product description

The Extraclear Solution for ADN Extraction is designed for rapid and efficient extraction of PCR-ready DNA from various sample types; mammalian tissues (such as mouse tail and ear snips), plant leaves, saliva and bacteria. The non-toxic Extraclear Solution for ADN Extraction 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 Extraclear Solution for ADN Extraction

- Optimized DNA extraction solution

Recommended Storage and Stability of Kit Components

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

Quality Control

Each batch of Extraclear Solution for ADN Extraction 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 Extraclear Solution for ADN Extraction. For the first time use, aliquot the Extraclear Solution for ADN Extraction into smaller volumes. (Extraclear Solution for ADN Extraction has a cloudy appearance).
2. Add your sample to a tube containing 100 µl Extraclear Solution for ADN Extraction. 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	Extraclear Solution for ADN Extraction	
	100 µl	500 µl
Tissue*	0.5 – 10 mg	10 – 50 mg
Plant**	2 – 10 mg	10 – 50 mg
<i>E. coli</i>	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.dutscher.com or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

Issued 01/2022