

DNARelease™

Additive

Product code:

F-355

Stable for one year from the packaging date. Store at -20°C.

1. Description

Finnzymes' DNARelease™ Additive is designed for Finnzymes' Direct PCR applications. It is required when PCR is performed directly from tissue samples (such as mouse ears or tails) without prior DNA purification. Cell debris present in these PCR products can cause DNA fragments to get trapped in the agarose gel wells. DNARelease Additive eliminates this problem when included in the gel loading buffer. In the alternative dilution protocol, DNARelease Additive improves the release of DNA from the tissue sample, when included in the dilution buffer before PCR.

2. Package information

F-355	Material provided: 3 x 100 µl DNARelease™ Additive 3 x 1 ml Gel loading dye (The gel loading dye contains: 50 % glycerol, 50 mM EDTA and 0.052 % bromophenol blue)
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3. Instructions

3.1 Direct protocol

In the direct protocol, DNA is amplified directly from the source material without prior DNA purification or sample handling. DNARelease Additive is added to the gel loading dye before electrophoresis.

Mix 100 µl of DNARelease Additive with 1 ml of gel loading dye. The dilution is stable for 2 weeks at +4°C. For long term use, store the dilution at -20°C.

For use, add 15 µl of the pre-mixed gel loading dye to a 50 µl PCR reaction or 5 µl to a 20 µl PCR reaction before agarose gel electrophoresis.

DNARelease Additive can also be used with any other agarose gel loading buffer. Simply add DNARelease to the loading buffer (approximately 1:10 to 5x loading buffer or 1:5 to 10x loading buffer).

3.2 Dilution protocol

In the dilution protocol, the sample is incubated in a specific dilution buffer before PCR. In this protocol, DNARelease Additive is added to the dilution buffer instead of the gel loading dye.

For more detailed instructions, please refer to the application note "Direct PCR from Mouse Tissue Using Phire® Hot Start DNA Polymerase and Piko® Thermal Cycler". The application note can be found at www.finnzymes.com.

Shipping and storage

DNARelease Additive is shipped on gel ice. Upon arrival, store the components at -20°C. DNARelease additive is stable for one year from the packaging date when stored and handled properly.

Warranty

Finnzymes Oy warrants that its products will meet the specifications stated on the technical data section of the data sheets, and Finnzymes Oy agrees to replace the products free of charge if the products do not conform to the specifications. Notice for replacement must be given within 60 days of receipt. In consideration of the above commitments by Finnzymes Oy, the buyer agrees to and accepts the following conditions:

- That this warranty is in lieu of all other warranties, express or implied;
- That ALL WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED AND WAIVED;
- That the buyer's sole remedy shall be to obtain replacement of the product free of charge from Finnzymes Oy; and
- That this remedy is in lieu of all other remedies or claims for damages, consequential or otherwise, which the buyer may have against Finnzymes Oy.

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Research use only

Since these products are intended for research purposes by qualified persons, the Environmental Protection Agency does not require us to supply Premanufacturing Notice.

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The quality system of Finnzymes Oy is certified according to standard SFS-EN ISO9001:2008

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