

For food testing purposes

FOR *IN VITRO* USE ONLY

Reagent P

Version 1, July 2011

For the automated isolation of Gram-negative bacterial DNA from enrichment cultures of protein-rich food samples in combination with the **foodproof**[®] Magnetic Preparation Kit I and the **foodproof**[®] RoboPrep⁺ Series robotic workstations

Order No. A 500 12

Kit for 550 isolations

Store the kit at 15 to 25 °C

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1. Kit components

The Reagent P is designed for the automated isolation of Gram-negative bacterial DNA from enrichment cultures of protein-rich food samples (e.g. egg, ham, beef, pork, chicken, minced meat, salmon and cheese) in combination with the **foodproof** Magnetic Preparation Kit I and the **foodproof** RoboPrep⁺ Series robotic workstations. The Reagent P is a protein which is added to the **foodproof** Magnetic Preparation Kit I Lysis Buffer to optimize the cell lysis and the binding of the extracted DNA to magnetic beads.

Chemical Hazard

The Reagent P contains an irritating compound that is harmful when brought in contact with skin, inhaled, or swallowed. Always store and use these kit components away from food for humans and animals. Always wear gloves, and follow standard safety precautions during handling.

Number of Preparations

550 isolations

Storage

Store at 15°C to 25°C through the expiration date printed on the label.

Note: Dissolved Reagent P can be stored as aliquots at -15 to -25 °C and is stable for 12 months.

Contents

Product	Contents / Function
3 Bottles with 100 mg Reagent P	<ul style="list-style-type: none"> • Lyophilisate • For protein digestion and inactivation of endogenous nucleases.

Additional Equipment and Reagents required

Water, double-distilled

2. How to Use this Product

Test Principle

The Reagent P should be used in combination with the **foodproof** Magnetic Preparation Kit I and the **foodproof** RoboPrep[®] Series robotic workstation to provide fully automated purification of total genomic bacterial DNA from enrichment cultures of protein-rich food samples (e.g. egg, ham, beef, pork, chicken, minced meat, salmon and cheese). For protein-rich food samples the addition of the Reagent P to the Lysis Buffer of the **foodproof** Magnetic Preparation Kit I is necessary to provide high-quality DNA, which is suitable for direct use in PCR applications.

Preparation of the Working Solutions

The preparation of the following working solutions is required:

Product	Preparation of working solution	Storage and stability
Reagent P	Dissolve the Reagent P in 5 ml double-distilled water; aliquot solution.	Store at -15 to -25 °C, Stable for 12 months.

Application

The Reagent P is added to the **foodproof** Magnetic Preparation Kit I Lysis Buffer in the following concentration. Add the appropriate volume of Reagent P to the **foodproof** Magnetic Preparation Kit I Lysis Buffer dependent on the number of reactions/samples to be processed.

Note: Always prepare the mixture for 10 additional reactions/samples due to death volume in the reagent reservoir of the robotic workstation and pipetting losses.

Number of reactions/samples	Components in ml	
	foodproof Magnetic Preparation Kit I Lysis Buffer	Reagent P
1	0.32	0.025
10	3.20	0.25
20	6.40	0.50
30	9.60	0.75
40	12.8	1.00
50	16.0	1.25
60	19.2	1.50
70	22,4	1.75
80	25,6	2.00
90	28.8	2.25
100	32.0	2.50
110	35.2	2.75
120	38.4	3.00

3. Troubleshooting

Problem	Possible Cause	Recommendation
Low DNA yield or purity	Reagent P stored under non optimal conditions.	Store the Reagent P at 15 – 25 °C at all times upon arrival.
	Reagent P was exposed to conditions that reduced its effectiveness.	After the lyophilized reagent is reconstituted, aliquot it, then store the aliquots at -15 to -25 °C.

4. Warranty and Disclaimer of Liability

Limited Warranty and Disclaimer of Liability. BIOTECON Diagnostics warrants that this product is free from defects in materials and workmanship through the expiration date printed on the label and only if the following are complied with:

- (1) The product is used according to the guidelines and instructions set forth in the product literature;
- (2) BIOTECON Diagnostics does not warrant its product against any and all defects when: the defect is as a result of material or workmanship not provided by BIOTECON Diagnostics; defects caused by misuse or use contrary to the instructions supplied, or if the product is contaminated by improper storage or handling;
- (3) All warranties of merchantability and fitness for a particular purpose, written, oral, expressed or implied, shall extend only for a period of one year from the date of manufacture. There are no other warranties that extend beyond those described on the face of this warranty;
- (4) BIOTECON Diagnostics does not undertake responsibility to any purchaser of its product for any undertaking, representation or warranty made by any dealers or distributors selling its products beyond those herein expressly expressed unless expressed in writing by an officer of BIOTECON Diagnostics;
- (5) BIOTECON Diagnostics does not assume responsibility for incidental or consequential damages, including, but not limited to responsibility for loss of use of this product, removal or replacement labor, loss of time, inconvenience, expense for telephone calls, shipping expenses, loss or damage to property or loss of revenue, personal injuries or wrongful death;
- (6) BIOTECON Diagnostics reserves the right to replace or allow credit for any modules returned under this warranty.

5. Supplementary Information

5.1 Ordering Information

BIOTECON Diagnostics offers a broad range of reagents and services. For a complete overview and for more information, please visit our website at www.bc-diagnostics.com.

5.2 Trademarks

foodproof[®] is a trademark of BIOTECON Diagnostics GmbH.

Other brand or product names are trademarks of their respective holders.

5.3 Contact and Support

If you have questions about this or any other product of BIOTECON Diagnostics, please contact our Technical Support staff (for details see www.bc-diagnostics.com). Our scientists commit themselves to providing rapid and effective help. We also welcome you to contact us if you have suggestions for enhancing our product performance or using our products in new or specialized ways. Such customer information has repeatedly proven invaluable to us and the worldwide research community.

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Version 1:

First version of the package insert

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