

Stool DNA Preservation Solution Instructions

Composition

Cat. No.	4103050	4103100
Stool DNA Preservation Solution	50 ml	100 ml
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Storage

The reagents can be stored for up to 2 years at room temperature (0~30°C).

Technical Support

R&D Department, Hangzhou Simgen Biotechnology Co., Ltd. E-mail: technical@simgen.cn, Tel: 400-0099-857.

Introduction

After this product is mixed with a stool sample, it can quickly penetrate into the microorganism in the stool, so that the microorganisms in the stool are in a semi-dissolved state, and the enzymes in the microorganisms are quickly inactivated to achieve a stable state of DNA. Stool samples stabilized with this product can be extracted with Simgen Stool DNA Extraction Kit (Cat. No. 4111050, matching Stool DNA Preservation Solution). Stool samples collected with this product can be stored at room temperature (15~25°C) for more than 6 months without DNA degradation, and at 2~8°C or lower for more than 2 years without DNA degradation.

Protocol

Add 2 μ l Stool DNA Preservation Solution to per 1 mg stool sample, and immediately vortex and shake until all stool pellets are dispersed and dissolved. Store at room temperature or 2-8°C.

- * For example, if 500 mg of stool is collected, add 1 ml of Stool DNA Preservation Solution to suspend the stool pellets.
- * If the stool pellets are hard and difficult to disperse, please use a pipette tip or grinding rod to mash the stool pellets, otherwise the bacteria in the stool pellets will not be penetrated by the Stool DNA Preservation Solution, which will lead to the degradation of bacterial DNA.
- * Freshly collected stool samples should be added immediately to the Stool DNA Preservation Solution. Even if the stool is left at room temperature for 2-3 hours, severe degradation of the extracted DNA will be observed if the Stool DNA Preservation Solution is not added in time. If Stool DNA Preservation Solution cannot be added immediately, the collected stool sample should be immediately stored at -20°C or lower.