

User Manual

SureFast[®] Speed Prep

Art. No. F1054

100 extractions

Efficient DNA preparation of Bacteria and Parasites

Version 1.4 - 2015/07



CONGEN 

Inhaltsverzeichnis

Beschreibung	3
Prinzip	3
Kit-Inhalt und Lagerung	3
Zusätzlich benötigte Geräte und Materialien.....	3
Extraktionsprotokoll	4
Technischer Support	4

Table of contents

Description.....	5
Principle.....	5
Kit components and storage	5
Additionally required equipment and materials	5
Extraction protocol	6
Technical Support.....	6

Description

The kit is intended for the fast and simple isolation of bacteria- and parasites-DNA from enrichment cultures and tissue samples.

Note: Detailed information, which bacteria and parasites have been investigated with the SureFast® Speed PREP, is available on the CONGEN homepage: <http://www.congen.de/en/company/downloads>

Principle

1. Preparation of the basic material
2. Lysis of the basic material

Kit components and storage

2 x Lysis Buffer (25 mL) **(Code L)**

The Lysis Buffer should be stored at -20 bis +8 °C.

Additionally required equipment and materials

- tubes free from DNA and DNase 1.5 mL; 2.0 mL
- waterproof pen and tags for labeling the tubes
- unpowdered disposable gloves
- pipettes with filter tips
- Vortex mixer
- Thermomixer/heating block (up to 95 °C)
- disposal bags or waste bin
- autoclave
- biological safety cabinet

Extraction protocol

1. Preparation of the basic material

1.1 Extraction of Enrichment Cultures

If the enrichment culture has been shaken or stirred, let the solids settle out for 5 to 10 min.

Transfer 500 µL from the top 1 to 3 cm of the enrichment culture into a 2.0 mL tube (not provided with the kit).

1.2 Extraction of Tissues

Transfer 50 mg tissue sample into a 2.0 ml reaction tube (not provided with the kit).

2. Lysis of the basic material

Add 500 µL of Lysis Buffer (**Code L**) to the 500 µL of the enrichment culture or the 50 mg of the tissue sample. Vortex the tube briefly and put the tube in the heating block.

Incubate for 10 minutes at 95 °C without shaking.

Remove the tube from the heating block and leave the tube at room temperature for 1 minute.

Note: It is necessary to ensure that the sediment is not stirred up and no particles are pipetted in the PCR reaction.

The lysate is ready-to-use for the PCR. If the lysate is not used immediately in the PCR or is intended for a longer storage, transfer 100 µL of the lysate in a new tube (not provided with the kit) and store at -20 °C.

Technical Support

For further questions please send an e-mail to info@congen.de.