

# Suspension Buffer

## Quick Guide

Order no. S 400 10

Version 2, November 2019

The Suspension Buffer is intended for the rapid suspension of bacterial colonies picked from agar plates, which can be used directly in PCR. The bacterial DNA will be released during the denaturation steps of the PCR protocol. Therefore, the suspension may contain viable cells which can be regrown for additional analyses such as serotyping or DNA sequencing. Since pathogenic organisms may be present, handle all bacterial suspensions according to laboratory guidelines for infectious material.

## KIT CONTENTS

- ▶ 1 x 40 ml Suspension Buffer

## PROTOCOL

The Suspension Buffer can be used with the following kits:

- foodproof**<sup>®</sup> STEC Identification LyoKit (Order no. R 602 12)
- foodproof**<sup>®</sup> STEC Typing LyoKit (Order no. F 602 54)
- foodproof**<sup>®</sup> *Salmonella* Enteritidis & Typhimurium Detection LyoKit (Order no. R 602 34)
- foodproof**<sup>®</sup> *Vibrio* Detection LyoKit (Order no. R 602 44)
- microproof**<sup>®</sup> *Legionella* Quantification LyoKit (Order no. R 602 45)
- microproof**<sup>®</sup> Hygiene Screening Kit (Order no. R 300 31)
- vetproof**<sup>®</sup> SE Vaccine Detection 1 LyoKit (Order no. V 900 01)
- and others (please request)

# PROTOCOL

Take appropriate precautions to prevent contamination, e.g. by using filter tips and wearing gloves.

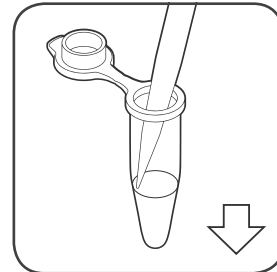
## 1. ADD BUFFER TO NEW TUBE

Transfer **200 µl Suspension Buffer** to a 1.5 ml reaction tube.

*Note: Use only 50 µl Suspension Buffer in combination with the **microproof®** Hygiene Screening System.*

*For convenient processing of a large number of colonies use 96-well strip microplates (ordering details can be found in the manual).*

*Remove all strips from the grid and the place an 8-well into every 3<sup>rd</sup> row. The spacing between strips will help to avoid accidental cross contamination.*

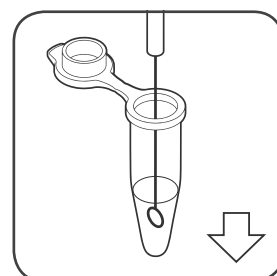


## 2. COLONY TRANSFER

Transfer a small portion of a colony with a sterile tool to each tube. Suspend cells by gently stirring with the inoculation tool a couple of times.

Avoid rapid motions, which may cause the liquid to spill over.

*Note: Use a sterile inoculation needle, filter tips or sterile toothpicks.*



## SUPERNATANT FOR DETECTION

Use 5 µl extract for any **foodproof®**, **microproof®** or **vetproof®**, PCR kit.

For later analysis store the suspension at 2 to 8 °C up to several days.

The extract may contain viable and potentially infectious cells.

*Note: In combination with the LyoKits, add 20 µl Internal Amplification Control (Order No. A 500 23) before adding the 5 µl bacterial suspension.*

