foodproof® SL

Bacillus cereus Detection Kit
Ready Reference Guide

Revision A, December 2023

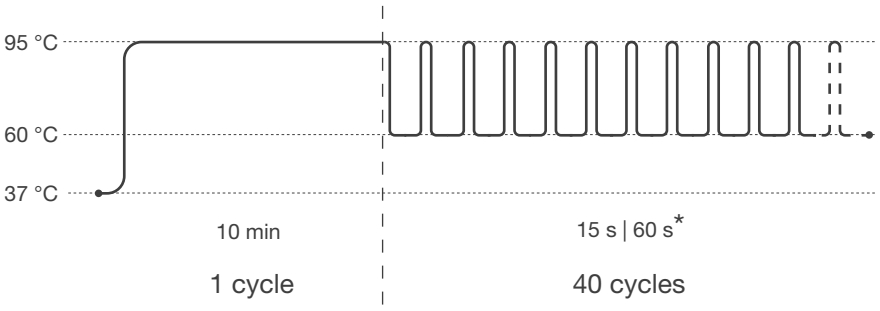
Product No. KIT230201

PCR kit for the qualitative detection of *groEL* target using real-time PCR instruments.
Before starting, it is strongly recommended to read the entire product manual available on our website.

PROGRAM SETUP

Program your real-time PCR instrument before setting up the PCR reactions. Select the following channels:

- FAM (*groEL*) and VIC/HEX (Internal Control).



Pre-incubation: 1 cycle
Step 1: 95 °C for 10 min
Amplification: 40 cycles
Step 1 : 95 °C for 15 s
Step 2*: 60 °C for 60 s

* Fluorescence detection

DATA INTERPRETATION

Verify results of positive (Control Template) and negative (H_2O) controls, before interpreting the sample results. Always compare samples to positive and negative controls. Review data from each channel and interpret results as described in the table.

FAM	VIC/HEX	Result Interpretation
+	+ or -	Positive for *groEL*
-	+	Negative for *groEL*
-	-	Invalid

RR-KIT230201-RevA

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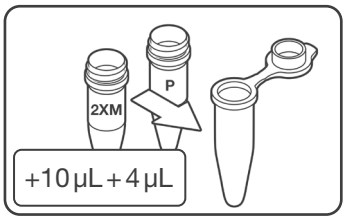
PREPARATION OF THE RT-PCR MIX

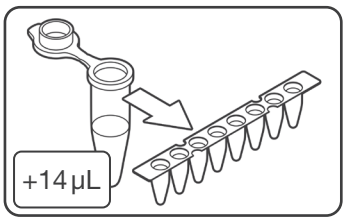
Take appropriate precautions to prevent contamination, e.g., by using filter tips and wearing gloves.
Thaw reagents, mix (do not vortex!) and briefly spin vials before opening.



1. PREPARE PCR MIX

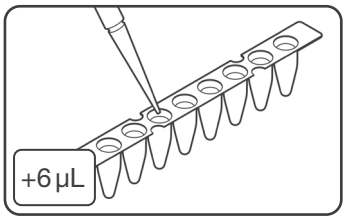
Add 10 µL Master Mix (2XM) and
4 µL Primer/Probe Mix (P)
} for each reaction to a suitable tube.

(n samples + 2 controls + at least one additional reaction to cover pipetting loss).
Mix carefully but thoroughly by pipetting up and down.



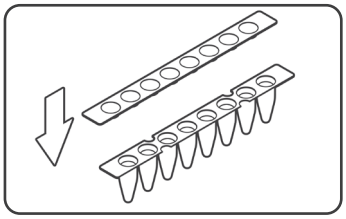
2. ADD PCR MIX

Pipet 14 µL of prepared PCR mix into each strip or plate well.



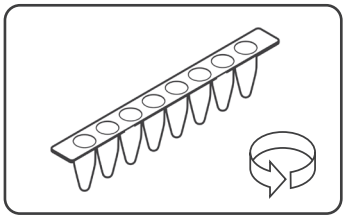
3. ADD SAMPLES AND CONTROLS

Pipet 6 µL of samples, negative control (PCR-grade H_2O, not included) or Control Template (C) into respective wells.



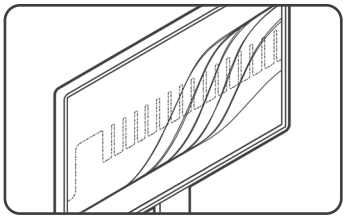
4. SEAL

Seal strips/plate accurately.



5. CENTRIFUGE

Briefly spin strips/plate in a suitable centrifuge.



6. START REAL-TIME PCR RUN

Cycle samples as described above.

foodproof® SL
Bacillus cereus
Detection Kit

KIT230201
Kit for 50 reactions
Store kit at -15 to -25 °C

For food testing purposes
FOR IN VITRO USE ONLY

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