BIOTZER

SAMPIBIO® Food Safety
Real-Time PCR Kits

Ready-to-use molecular detection for food, water & environmental testing

Bacteria | Viruses | Fungi | Meat species & Halal | GMO

SAMPIBIO

Introducing SAMPIBIO® Real-Time PCR

Fast, specific molecular detection for food-safety and hygiene laboratories

SAMPIBIO® Real-Time PCR kits give food, water and environmental laboratories a ready-to-use way to detect the bacteria, viruses, fungi, meat species and GMO material that matter for food safety and quality control. Every kit follows the same simple workflow and runs on standard open real-time PCR instruments, so one laboratory routine covers the whole menu — from *Salmonella* and *Listeria monocytogenes* to Norovirus and GMO soya.

23
ready-to-use detection kits

5
target groups, one common workflow

IC
internal control in every reaction

Open
runs on standard real-time PCR systems

Why SAMPIBIO®

- **Specific detection** of the target organism or GMO element, with no culture confirmation step.
- **Internal control** in every reaction flags PCR inhibition and guards against false negatives.
- **One workflow** for bacteria, viruses, fungi, meat species and GMO — less training, fewer errors.
- **Open platform**: compatible with standard real-time PCR instruments already in your laboratory.

Features and Benefits

- **Ready-to-use reagents** — minimal pipetting from extracted sample to PCR plate.
- **RNA viruses included** — Hepatitis A and Norovirus GI/GII kits include reverse transcription (RT-PCR).
- **Multiplex where it counts** — one Vibrio kit covers *V. cholerae*, *V. parahaemolyticus* and *V. vulnificus*.
- **Broad matrix use** — food, beverage, water, feed and environmental swabs.
- **Full traceability** — lot number, product code and expiry date on every kit.
- **Custom assays** — new targets designed and validated on request.

Detection Menu

23 kits across five target groups

Bacterial pathogens & indicators

Foodborne pathogens, water-borne and hygiene indicator organisms

- *Bacillus anthracis*
- *Brucella* spp.
- *Campylobacter* spp.
- *Clostridioides difficile*
- *Cronobacter* (*C. sakazakii*)
- *E. coli*
- STEC (Big-6)
- *Enterococcus* spp.
- *Legionella* spp.
- *Listeria monocytogenes*
- *Pseudomonas* spp.
- *Salmonella* spp.
- *Shigella* spp.
- *Staphylococcus aureus*
- *Vibrio* spp. multiplex

Viruses

RT-PCR (reverse transcription included)

- Hepatitis A virus (HAV)
- Norovirus GI / GII

Fungi

Spoilage and mycotoxin-relevant moulds

- *Aspergillus* spp.
- Yeast & Mould

Meat species

Species identification & Halal

- Halal Meat Speciation multiplex: pork (porcine) & donkey (asinine) in one reaction

GMO detection

Crop-specific kits supporting EU GMO labelling checks

- GMO Maize
- GMO Rice
- GMO Soya

How it works

1

Extract

Isolate DNA / RNA from the sample or enrichment broth with your validated extraction method.

2

Set up

Add the extracted template to the ready-to-use reaction mix — no reagent preparation.

3

Amplify & read

Run on a standard real-time PCR instrument. The internal control confirms every valid result.

Time to result depends on the sample type and on any enrichment step required by your method. Use the kits within the validated scope described in each kit's instructions for use.

Applications

Trusted across the food chain

Food production
Raw materials to finished product

Meat & poultry
Salmonella, STEC, Halal species ID

Dairy & infant formula
Cronobacter, L. monocytogenes

Seafood & shellfish
Vibrio, Norovirus, HAV

Fresh produce
STEC, HAV, Norovirus, *Shigella*

Water
Legionella, Pseudomonas, Enterococcus

Grain, feed & GMO
Maize, rice, soya, moulds

Processing environment
Surfaces & swabs

Meat species & Halal

Sensitive real-time PCR identification of undeclared animal species in raw, cooked and processed meat products — supporting Halal compliance testing and protecting against meat adulteration and fraud.

- **One multiplex kit** detects pork (porcine) and donkey (asinine) DNA in a single reaction
- Same workflow and instrument as the pathogen kits

Quality Assurance

In every reaction
- Internal control to detect PCR inhibition
- Clear positive / negative interpretation

Documentation
- Instructions for use supplied with every kit
- Storage and handling guidance on every kit

In every kit
- Unique lot number, product code and expiry date
- Batch quality control before release

Support
- Help choosing kits for your targets and matrices
- Custom assays on request

Product List

SAMPIBIO® Food Safety Real-Time PCR kits

Code	Product	Target type
Bacterial pathogens & indicators		
SB-FS-003	*Bacillus anthracis* Kit	Bacteria · DNA
SB-FS-004	*Brucella* spp. Kit	Bacteria · DNA
SB-FS-005	*Campylobacter* spp. Kit	Bacteria · DNA
SB-FS-006	*Clostridioides* (*Clostridium*) *difficile* Kit	Bacteria · DNA
SB-FS-007	*Cronobacter* (*C. sakazakii*) Kit	Bacteria · DNA
SB-FS-008	*E. coli* Kit	Bacteria · DNA
SB-FS-009	*Enterococcus* spp. Kit	Bacteria · DNA
SB-FS-013	*Legionella* spp. Kit	Bacteria · DNA
SB-FS-014	*Listeria monocytogenes* Kit	Bacteria · DNA
SB-FS-016	*Pseudomonas* spp. Kit	Bacteria · DNA
SB-FS-017	*Salmonella* spp. Kit	Bacteria · DNA
SB-FS-018	*Shigella* spp. Kit	Bacteria · DNA
SB-FS-019	*Staphylococcus aureus* Kit	Bacteria · DNA
SB-FS-020	STEC (Big-6) Kit	Bacteria · DNA
SB-FS-021	*Vibrio* spp. Multiplex Kit (*V. cholerae* / *V. parahaemolyticus* / *V. vulnificus*)	Bacteria · DNA · multiplex
Viruses		
SB-FS-001	Hepatitis A Virus (HAV) Kit	Virus · RNA (RT-PCR)
SB-FS-015	Norovirus GI / GII Kit	Virus · RNA (RT-PCR)
Fungi		
SB-FS-002	*Aspergillus* spp. Kit	Fungi · DNA
SB-FS-022	Yeast & Mould Kit	Fungi · DNA
Meat species identification & Halal		
SB-FS-023	Halal Meat Speciation Multiplex Kit (Pork / Donkey)	Animal species · DNA · multiplex
GMO		
SB-FS-010	GMO Maize Kit	Plant · DNA
SB-FS-011	GMO Rice Kit	Plant · DNA
SB-FS-012	GMO Soya Kit	Plant · DNA

Need something custom-made? We also design and validate assays for targets not listed here. For food and environmental testing; follow the instructions for use supplied with each kit.

Custom Assays

A target that isn't in the menu?
We design, build and validate it for you.

1

Define

Organism, gene or marker of interest, your sample matrix, throughput and reporting needs.

2

Design & build

Primer and probe design, singleplex or multiplex configuration, control strategy and kit format.

3

Validate & deliver

Analytical performance verification, documentation and scale-up to routine supply.

From sample to result

Collect the sample with SAMPIBIO® sampling bags, sponges, wipes or boot covers and test it with SAMPIBIO® Real-Time PCR — one supplier from sample collection to result.

- Sterile, traceable sampling devices
- Neutralising and non-neutralising diluents
- Molecular detection of the main food-safety targets

Bring confident food safety to your laboratory

Tell us your targets, sample matrices, throughput and PCR platform — the SAMPIBIO® team will recommend the right kits or design a custom solution.

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BIOTZER

Trust in SAMPIBIO® Sampling Solutions for unparalleled quality and reliable results.

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