

Biotest MMB Prep Bacteria	944 501	100 preps
Biotest MMB Prep Salmonella	944 505	100 preps
Biotest MMB Prep Campylobacter	944 511	100 preps
Biotest MMB Prep Listeria	944 515	100 preps
Biotest MMB Prep E. coli	944 521	100 preps
Biotest MMB Prep DNA/RNA virus	944 702	50 preps
Biotest MMB Salmonella (V)	944 011	100 reactions
Biotest MMB Salmonella (R)	944 012	100 reactions
Biotest MMB Salmonella (LC)	944 013	100 reactions
Biotest MMB Campylobacter (V)	944 021	100 reactions
Biotest MMB Campylobacter (R)	944 022	100 reactions
Biotest MMB Campylobacter (LC)	944 023	100 reactions
Biotest MMB Listeria monocytogenes (V)	944 031	100 reactions
Biotest MMB Listeria monocytogenes (R)	944 032	100 reactions
Biotest MMB Listeria monocytogenes (LC)	944 033	100 reactions
Biotest MMB STEC Screening (V)	944 041	100 reactions
Biotest MMB STEC Screening (R)	944 042	100 reactions
Biotest MMB STEC Screening (LC)	944 043	100 reactions
Biotest MMB Staphylococcus aureus (V)	944 051	100 reactions
Biotest MMB Listeria Screening (V)	944 061	100 reactions
Biotest MMB Vibrio cholerae (V)	944 071	100 reactions
Biotest MMB Legionella pneumophila (V)	944 081	100 reactions
Biotest MMB Clostridium perfringens (V)	944 091	100 reactions
Biotest MMB Bacillus cereus (V)	944 101	100 reactions
Biotest MMB Legionella Screening (V)	944 111	100 reactions
Biotest MMB Norovirus (V)	944 204	50 reactions

For further information on heipha media, please visit www.heipha.com.

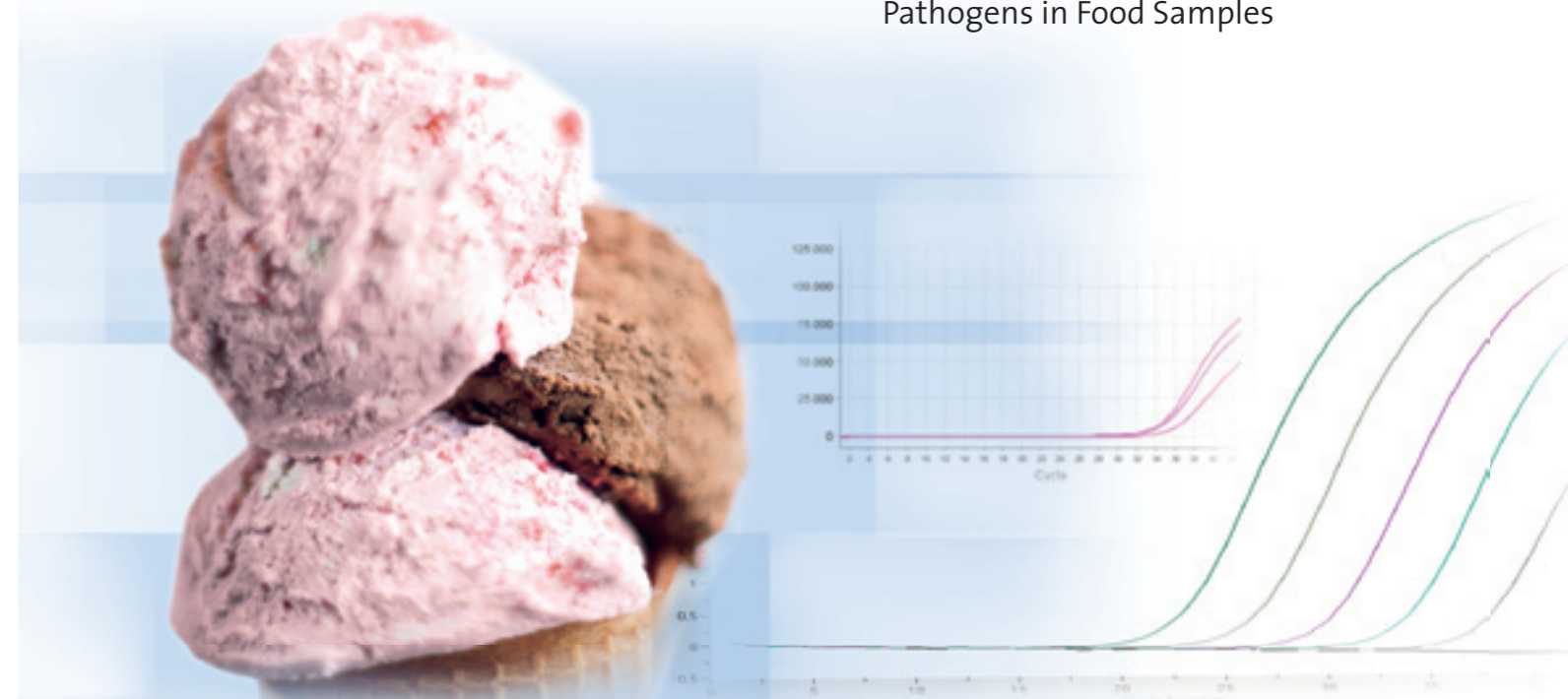
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This product is optimized for use in the Polymerase Chain Reaction („PCR“) covered by patents owned by Hoffmann-La Roche, Inc., and F. Hoffmann-La Roche Ltd. („Roche“). No license under these patents to use the PCR process is conveyed expressly or by implication to the purchaser of this product. Biotest does not encourage or support the unauthorized or unlicensed use of the PCR process. Use of this product is restricted to persons that either have a license to perform PCR or are not required to obtain a license.

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Biotest MMB

Real-time PCR Detection of Pathogens in Food Samples



- Time-saving
- Easy handling
- Reliable results

Biotest MMB Pathogen kits

Real-time PCR detection for fast and reliable testing

Modern methods in food analysis are developing very fast. Especially in food microbiology labs rapid methods are already commonly used.

The Biotest MMB Pathogen kits use real-time PCR for the detection of all common food-borne pathogens from various samples: the very sensitive method leads to fast and precise results on which you can rely.

All test systems follow the same simple protocol:

Pre-enrichment

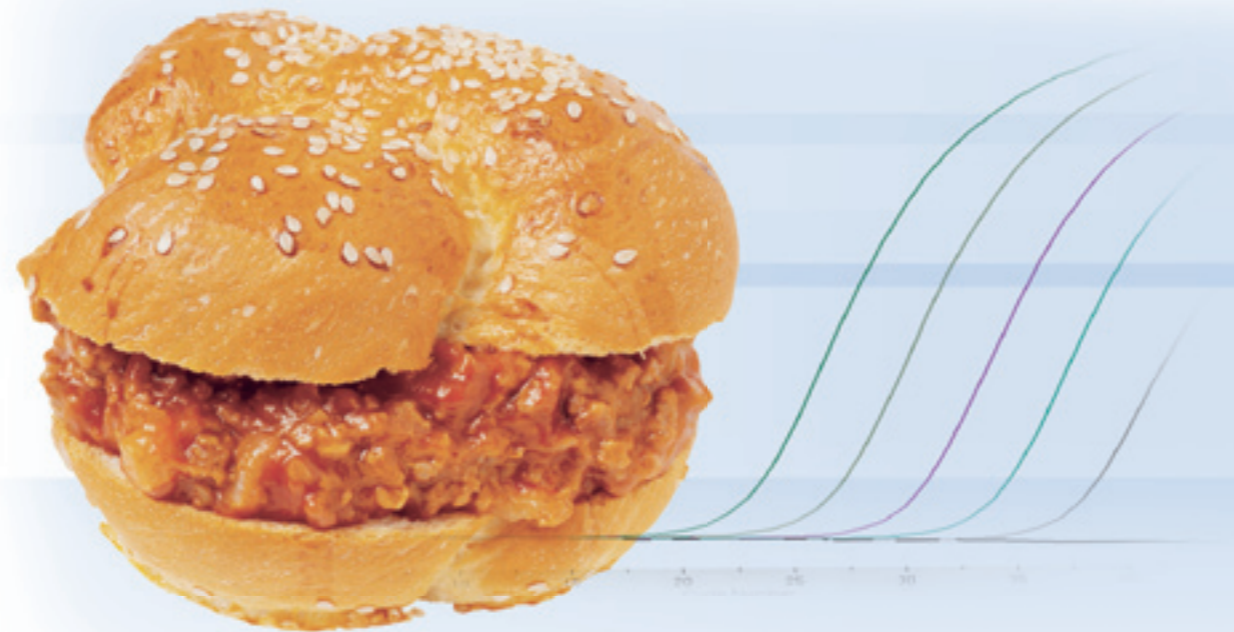
Heipha Dr. Müller GmbH is a leading supplier of culture media for all microbiological applications, including food, beverages and drinking water. All typical media for enrichment, sample preparation and dilution like buffered peptone water are produced according to GMP guidelines supported by a comprehensive quality management system.

Sample preparation

Biotest MMB Prep kits are optimized for the extraction of nucleic acids from microorganisms. They employ a spin column-based purification system. The simple three-step protocol results in pure nucleic acids, the optimal template for following detection reactions. The removal of PCR inhibitors guarantees high sensitivity and reliable results.

PCR detection

Biotest MMB Pathogen kits consist of all reaction components needed for a specific detection of food-borne pathogens, including pathogen-specific reaction mix with an internal amplification control, DNA polymerase and positive control DNA.



Test systems are available for the detection of:

Salmonella
Campylobacter
STEC (shiga-toxin producing E. coli)
Listeria (monocytogenes)
Vibrio cholerae
Clostridium perfringens
Legionella (pneumophila)
Staphylococcus aureus
Bacillus cereus
Norovirus

Features of the Biotest MMB Pathogen detection system

Speed

After an overnight pre-enrichment the template preparation and real-time PCR detection need less than four hours. You will get your results within one day.

Specificity

Detection of pathogen-specific stretches of DNA leads to results independent of environmental conditions or phenotypes. This allows for error-free testing of mixed bacterial cultures with similar biochemical characteristics.

Sensitivity

Due to optimized DNA purification and amplification conditions, the detection limit is lower than 5 DNA copies.

Reliability

The reaction mix contains an internal amplification control to ensure the absence of possible PCR inhibitors; therefore false negative results are excluded.

Versatility

The Biotest MMB Pathogen detection system can be used with a variety of food and feed starting material. Even demanding matrices like mayonnaise, sausages, cacao or chocolate can be tested without reduced sensitivity.

Simplicity

All Biotest MMB Prep kits follow the same spin column-based purification method. The isolated DNA is ready-to-use for the ensuing detection reaction. All Biotest MMB Pathogen kits use the identical amplification protocol for all microorganisms so that different tests can be performed in one run.

Safety

The real-time PCR detection is performed in a closed tube; this technology minimizes the risk of cross-contamination.

Flexibility

Most Biotest MMB Pathogen detection kits are available in three different versions. Optimized combinations of fluorescent dyes allow for their use with all common real-time cyclers.

Validation

A MicroVal certification of the MMB Salmonella test is in progress and will be available in 2010.