

A T C A T C G T A T C C A T C C C T A T C C A T C C C T
T C A T C C C T A T C G C T T C C A T C T G C T T C A
A T C T T C A T C C G T A T C T G C T T C C A T C T G C T
C C A T T T C A T C C G T A T C
G C T T C C A T C C C T A T C G C
T C A T C C A T C C C T A T C T G C T T C C A T C T G C T



BIOTECON Diagnostics

foodproof®

KingFisher™ Flex

automatically builds up trust

For safer food - BIOTECON Diagnostics

High-throughput automated DNA extraction for pathogen, GMO, allergen and animal ID analysis

Automation of DNA extraction is key to greater efficiency and reproducibility for laboratories performing food safety testing. BIOTECON Diagnostics presents the KingFisher™ Flex as part of the foodproof® RoboPrep® Series for high-throughput molecular testing. Automated DNA extraction for pathogen, GMO, allergen and animal ID analysis is provided by the foodproof® Magnetic Preparation Kits I - V. The combination with the robust system utilizing the innovative magnetic bead technology allows a large sample variety and the extraction of ultrapure, ready to use DNA even from complex matrices.

The KingFisher™ Flex combined with the foodproof® Magnetic Preparation Kits features many benefits that can increase the lab productivity drastically:

Automated: Reduced manual handling steps and reproducible results

Fast: Processes up to 96 samples in 35 minutes

Innovative: First automated DNA extraction system for pathogen, GMO, allergen and animal ID analysis combined in one system

Comprehensive: BIOTECON Diagnostics offers a broad range of detection kits and real-time PCR cyclers for subsequent analysis

Convenient: Easy to use software that is controlled via the integrated computer

Approved: Validated and optimized protocols for food safety testing

Magnetic Bead Technology

- Provides highly purified DNA
- High extraction yield
- Fast and easy handling
- No PCR inhibition

Flexible Tool

The central automation solution for a fast and efficient DNA extraction:

- Plant
- Animal
- Bacteria

Matrices

Food, feed, beverages, environmental samples and raw materials



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 T C A T C C C T A T C G C T T C C A T C T G C T T C A
 A T C T T C A T C C G T A T C T G C T C C A T C T G C T
 C C A T T T C A T C C G T A T C
 G C T T C C A T C C C T A T C G C
 T C A T C C A T C C C T A T C T G C T T C C A T C T G C T

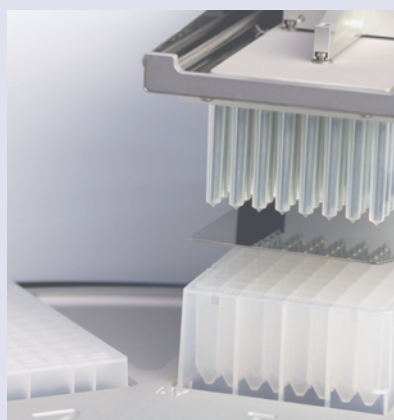


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Workflow



Sample Lysis*
30 min



Automated DNA Extraction
96 samples in 35 min



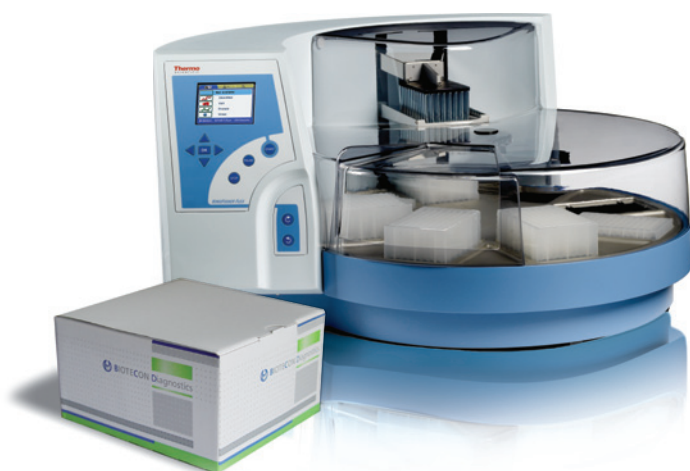
PCR Setup
15 - 25 min



Real-time PCR Run
90 min

Analysis Results in < 3h

* only for foodproof® Magnetic Preparation Kit III



Order Numbers

- D 220 01 **KingFisher™ Flex**
- S 400 11 **foodproof® Magnetic Preparation Kit I, 96 isolations**
- S 400 11 L **foodproof® Magnetic Preparation Kit I, 480 isolations**
- S 400 12 **foodproof® Magnetic Preparation Kit II, 96 isolations**
- S 400 12 L **foodproof® Magnetic Preparation Kit II, 480 isolations**
- S 400 13 L **foodproof® Magnetic Preparation Kit III, 480 isolations**
- S 400 15 **foodproof® Magnetic Preparation Kit IV, 96 isolations**
- S 400 15 L **foodproof® Magnetic Preparation Kit IV, 480 isolations**
- S 400 19 L **foodproof® Magnetic Preparation Kit V, 480 isolations**

For pathogen, GMO, allergen and animal ID detection kits please refer to BIOTECON Diagnostics' product list.

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Available through BIOTECON Diagnostics:

Robotic System

Applications and service

DNA Extraction & Detection Kits

For GMO, allergen, animal ID and bacteria

Kit Consumables

All necessary consumables for 96 and 480 isolations are provided

BIOTECON Diagnostics GmbH

Hermannswerder 17
 14473 Potsdam
 Germany

Phone: +49-(0)331-2300-200
 Fax: +49-(0)331-2300-299

roboprep@bc-diagnostics.com
 www.bc-diagnostics.com