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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
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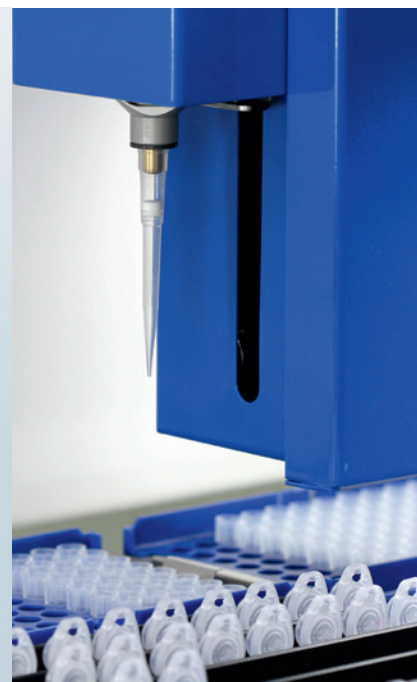


BIOTECON Diagnostics

foodproof®

RoboSet+

automatically builds up trust



For safer food - BIOTECON Diagnostics High-throughput automated PCR Setup

Automation of laboratory procedures means increasing speed and efficiency of work routines while reducing errors and labor cost. The **foodproof®** RoboSet+ liquid handling robot is designed to streamline laboratory workflows and increase productivity by automating PCR setup. Using the system enables high precision and reproducibility of results in the food and feed sector and in environmental analysis. The **foodproof®** RoboSet+ is convenient and suitable for numerous liquid handling tasks, from simple liquid transfer to highly complex applications. It provides a safe pipetting performance through the use of tip detection, liquid level sensing system and hood interlock.

Due to its design as an open system the **foodproof®** RoboSet+ supports the integration between many systems within a workflow.

Precision: High precision pipetting down to 1 µl

Reproducibility: Reduces human errors, enables fewer repeats

Safety: Safe pipetting performance prevents contaminations

Versatility: Large variety of racks, plates and tubes applicable

Efficiency: Pipetting speed adjustable to liquid viscosity

Convenience: Drag & Drop work flow creation

Economy: Multi dispensing functions save additional tips

Typical Application

- PCR setup
- Sample normalisation
- Serial dilutions
- Multi dispensing
- Multi mix preparation
- Cherry-picking from various tubes/plates

Hard- & Software Features

- Liquid level detection
- Interchangeable pipetting head (plug & play)
- Status via LED light signals
- Multilingual software
- Drag & drop programming
- Automated reagent volume calculation
- Import / export function
- Comprehensive data logging

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 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

Workflow



Sample Lysis



DNA Extraction



Automated PCR Setup *



Real-time PCR Run

Analysis Results

* 10 - 45 minutes, depending on the application

Technical Data

- **Dimensions (W x D x H):**
600 x 515 x 470 mm
- **Weight:** 45 kg
- **Pipetting volume range:**
1 - 180 µl
- **Pipetting speed:**
10 - 200 µl/s
- **Precision, Accuracy**
CV < 1 %, 5 µl - 180 µl
(dry-well transfer)
CV < 5 %, 2 µl - 5 µl
(wet-well transfer)
CV < 10 %, 1 µl - 2 µl
(wet-well transfer)



RoboSet+ Flex Order Numbers

- D 230 01 **RoboSet+**
- D 230 01 HE **RoboSet+ HE**

Console with 2 drawers, UV-decontamination unit, PC/Mouse/Keyboard,
4 additional Modules (plate rack, 96-well adapter, 8 well tube rack, waste rack)

Applicable to all **foodproof®** real-time PCR detection kits, free application support & guarantee

For foodborne pathogens 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 technical service

DNA Extraction & Detection Kits

For foodborne Pathogens, GMO, Allergen, Animal ID

Additional

All necessary reagents and consumables

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