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BIOTECON Diagnostics

foodproof®

Dualo 32® R²

Real-Time PCR Cycler



For safer food - BIOTECON Diagnostics

Dualo 32® R² – the most suitable real-time PCR cycler for foodproof® kits in the food and feed industry

The Dualo 32® R² is a highly sophisticated yet compact instrument – a universal revolution when it comes to food quality control. Its user-friendliness coupled with its accessible functionality makes it a suitable device for everyone to use in the food and feed industries

The Dualo 32® R² is a robust 32-well solution that not only offers convenience but also facilitates process and end-product quality control by answering multiple questions in one experiment. With its small footprint, it is ideal for facilities with small to medium throughput and little lab space. Operating with high end technology for outstanding instrument performance and reproducible results, the Dualo 32® R² is ideal for maintaining consistent quality control throughout the production of food and feedstuffs.

The software has an intuitive interface that uses predefined protocols for all testing parameters. With a faster time to result, its clear data interpretation and straightforward technology, the Dualo 32® R² makes the perfect lab companion.

DUALO 32 R²

Key features:

- **Universal** - optimized for BIOTECON Diagnostics foodproof® kits (hydrolysis probes)
- **Plug and play** – intuitive software and automated report generation
- **Small footprint** - ideal for labs with minimal space and small to medium throughput



Specifications

Thermal Block	
Thermal block	Peltier-based, 32 well block
Sample volume	10 - 100 µl
Consumables	Clear low profile 8-tube strips and 0.1 ml tubes
Max heating rate	5 °C/sec
Max cooling rate	4 °C/sec
Optics	
Excitation	Dual excitation, 480 nm and 650 nm
Detection	CCD
Detection range	500- 630 nm, 685 – 750 nm (CMOS array)
Factory calibrated dyes	FAM, VIC, HEX, TAMRA, Yakima Yellow, ROX, Cy5
Multiplexing	Yes
Supported assay formats	Hydrolysis probes
System	
Analysis modes	Absolute quantification; relative quantification; melt curve analysis
Operating system	Windows 10, LINUX, MAC OS X
Connection options	LAN, direct connection to computer (RJ45), USB stick
Power usage	200 W max.
Dimensions (H, Ø)	22.5 cm, 25 cm
Weight	7 kg
Operating noise	< 40 db(A)
Ordering Information	
D 100 51	Dualo 32® R ² Real-Time PCR Cycler

Real-Time PCR kits

Kits are available for various parameter like allergens, foodborne pathogens, viruses, GMO and more. Please contact us for your personal offer.

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