



foodproof® Dualo 32® R2

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 faster results, its clear data interpretation and straightforward technology, the **Dualo 32 R2** makes the perfect lab companion.

Flexible: Presence/absence of up to 4 targets in parallel, quantification, species/toxin identification via melting curves with integrated full spectrum optics.

Small and scalable: Ideal for small labs with minimal space, but can grow with testing demands by running multiple units with one computer.

Simple workflow: Clear yes or no results make data interpretation easy. Intuitive software with predefined templates and automated report generation.

Convenient and quiet: Colored LED light indicates instrument status and no fan noise.

DUALO 32® R2

Key Features

Universal

Optimized for 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 640 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 (W x D x H)	25 x 27 x 23 cm
Weight	7 kg
Operating noise	<40 db(A)
Ordering Information	
MCH230003	Dualo 32® R2 Real-Time PCR Cyclers



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Real-Time PCR Kits

Kits are available for various parameters such as allergens, foodborne pathogens, viruses, GMO and more. Please contact us for additional information.