

Tackle your toughest challenges with single Real-Time PCR system

Applied Biosystems™ QuantStudio™ 5 Food Safety Real-Time PCR System



Expand rapid food protection testing with affordable & easy-to-use system (96-well, 0.1mL block)

The QuantStudio 5 Food Safety Real-Time PCR System is designed for users who need superior performance, maximum dye versatility, & security options in a Real-Time PCR system that is affordable and easy-to-use, for use of Thermo Scientific food protection assays, or home brew.

Obtain performance & results you can trust

- OptiFlex technology and white LED optics enable powerful & sensitive data collection which improves well-to-well & instrument-to-instrument accuracy.
- Detect differences in target quantity as small as1.5–fold in singleplex reactions & obtain 10 logs of linear dynamic range.

Get started quickly

- Instrument is factory-calibrated for optical & thermal accuracy and delivered in a user-friendly package for quick installation & immediate use.
- Pre-calibrated dyes at installation: FAM™/SYBR® Green, VIC®/JOE™/ HEX/TET, ABY/NED™/TAMRA™/Cy3®, JUN, ROX™/Texas Red™, MUSTANG PURPLE, Cy®5/LIZ™.

Dedicated Service and Support

- Offering rapid response best-in-class support with our highly experienced scientists & engineers.
- Veriflex block technology provides 3 or 6 independent temperature zones for flexibility to run multiple experiments simultaneously.
- Fast thermal cycling is also available, enabling results in less than 30 minutes.

Designed for interactivity

- Sensitive, interactive touch screen provide stand-alone capabilities, PIN-protected user accounts, and dye calibration/RNases P functionality.

Simple Intuitive Software

- Enables rapid, straightforward PCR set-up, automatic data interpretation, & traceability of results.
- Latest in qPCR technology enabling cloud benefits, compatible with RapidFinder™ Analysis v1.0 software or later.

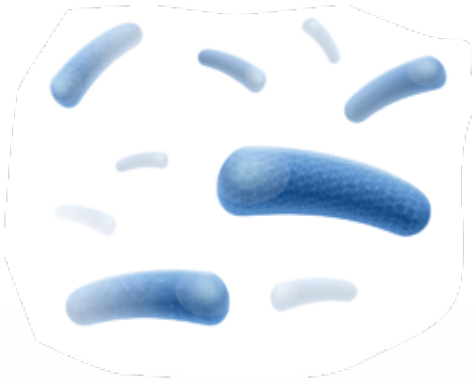
Real-Time PCR assays and reagents tailored for your requirements

We partner with customers around the world to design, develop, and manufacture performance leading PCR assays for the detection of food, water and environmental pathogens.



Thermo Scientific™ SureTect™ Real-Time PCR Assays

Complete confidence run after run for rapid, accurate foodborne pathogen detection



- Fast, optimized single enrichment step & automatic result interpretation.
- Streamlined lysis & PCR protocols that allow for the detection of multiple targets in the same run.
- Pre-filled lysis tubes & tableted PCR reagents to minimize the number of pipetting steps and hands-on time.
- Validated for a broad range of targets & matrices according to ISO and AOAC certification requirements.

RAFT Approved



Applied Biosystems™ MicroSEQ™, RapidFinder™ and TaqMan™ Assays



Meat ID

Identification of meat & fish species present in food & ingredient samples is an essential step for verification of origin & traceability of raw materials. Highly sensitive Thermo Scientific™ RapidFinder™ Meat ID Kits enable detection of target DNA below the required limits (ref. EU No 51/2013 of 16 Jan 2013, amending reg. EU No 152/2009).



Label Claims

Thermo Scientific™ RapidFinder™ Assays support Halal & Vegan label claims by testing for the presence of specific DNA in food & feed samples to verify if any adulteration or ross- contamination has occurred in purchased ingredients or during manufacturing.



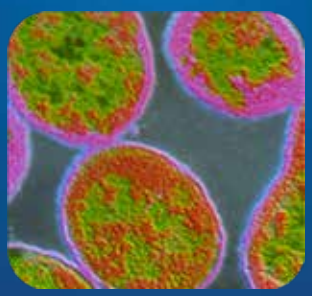
GMO

Thermo Scientific™ TaqMan™ GMO Detection & Quantification Kits are designed to detect all GMO events approved by the EU, as well as the majority of those described in international databases.



Legionella

The qualyfast™ Legionella test solution offers rapid, sensitive, specific and reliable detection and quantification of *Legionella* species and *Legionella pneumophila* from clean and dirty water samples in just 3 hrs.



Biothreats

Streamline your workflow for detection of *Bacillus anthracis, Francisella tularensis, Yersinia pestis* and *Brucella spp* using highly sensitive TaqMan™ Real-time PCR assays with 3 easy steps: enrich, prepare, run.

Want to test for an extended range of targets?

Click here

Application	Assays	Code	Pack size
Pathogen	SureTect™ Salmonella Species Assay	PT0100A	96 tests
	SureTect™ Listeria Species Assay	PT0200A	96 tests
	SureTect™ L.monocytogenes Assay	PT0300A	96 tests
	SureTect™ Escherichia coli O157:H7 Assay	PT0400A	96 tests
	SureTect™ Escherichia coli O157:H7 and STEC Screening PCR Assay	A44254	96 tests
	SureTect™ Escherichia coli STEC Identification PCR Assay	A45330	96 tests
	RapidFinder™ STEC Screening Assay	4476886	96 tests
	SureTect™ Cronobacter Species Assay	PT1060A	96 tests
	SureTect™ Campylobacter jejuni, C. coli and C. lari PCR Assay	A44251	96 tests
	SureTect™ Vibrio cholerae, V. parahaemolyticus and V. vulnificus PCR Assay	A44253	96 tests
	SureTect™ Staphylococcus aureus PCR Assay	A44256	96 tests
	RapidFinder™ Salmonella Species, Typhimurium and Enteritidis Multiplex PCR Kit	A33227	96 tests
	RapidFinder™ Salmonella Species Multiplex Flex Kit	A33227KF	96 tests
Legionella	qualyfast™ Legionella PCR Assay	A101013	24 test
	qualyfast™ DNA Extraction Kit I clear water	D101001	24 reactions
	qualyfast™ DNA Extraction Kit II dirty water	D211001	48 reactions
	qualyfast™ Free DNA Inactivator	D401009	200 reactions
	qualyfast™ Legionella Quantification Standards	A501013	8 tests
Biothreat	TaqMan™ Bacillus anthracis PCR Assay	4382486	100 tests
	TaqMan™ Francisella tularensis PCR Assay	4382490	100 tests
	TaqMan™ Brucella spp PCR Assay	4382423	100 tests
	TaqMan™ Yersinia pestis PCR Assay	4382488	100 tests
Meat ID	RapidFinder™ Equine ID Kit	A15570	48 reactions
	RapidFinder™ Quant Equine Set	A15579	48 reactions
	RapidFinder™ Beef ID Kit	A24391	48 reactions
	RapidFinder™ Pork ID Kit	A24392	48 reactions
	RapidFinder™ Chicken ID Kit	A24393	48 reactions
	RapidFinder™ Turkey ID Kit	A24394	48 reactions
	RapidFinder™ Sheep ID Kit	A24395	48 reactions
	RapidFinder™ Ruminant ID Kit	A24396	48 reactions
	RapidFinder™ Poultry ID Kit	A24397	48 reactions
	RapidFinder™ Fish ID Kit	A24398	48 reactions
GMO	TaqMan™ GMO Screening Kit	4466334	4x48 reactions
	TaqMan™ Roundup Ready Soya Quantification Kit	4466335	2x48 reactions
	TaqMan™ GMO Maize Quantification Kit	4481972	2x48 reactions
Label Claims	RapidFinder™ Halal ID Kit for RT-PCR	A47086	48 reactions
	RapidFinder™ Vegan ID Kit for RT-PCR	A24412	48 reactions
DNA Extraction Kits	PrepSEQ™ Rapid Spin Sample Preparation Kit	4407760	100 reactions
	PrepSEQ™ Rapid Spin Sample Preparation Kit Extra Clean (for samples with high lipid content)	4413269	100 reactions
	PrepSEQ™ Rapid Spin Sample Preparation Kit Extra Clean with Proteinase K	4426715	100 reactions
	GMO Extraction Kit	4466336	50 preps
QuantStudio 5 Food Safety PCR System	Applied Biosystem QuantStudio 5 Food Safety Real-Time PCR System, 0.1 mL Block, Laptop	A36328	Each
	Applied Biosystem QuantStudio 5 Food Safety Real-Time PCR System, 0.1 mL Block, Desktop	A36320	Each

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