



**IDEXX**

Test with Confidence™

Standardized. Streamlined. Efficient.

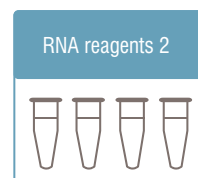
The modular RealPCR\* platform

# Speed up and simplify your PCR workflow

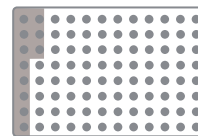
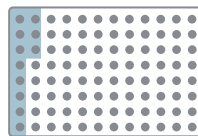
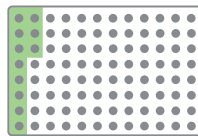
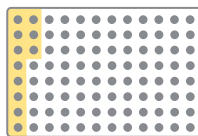
The modular RealPCR\* platform streamlines your PCR workflow with individual components that are standardized to work together. All RealPCR targets use the same workflow, making it easy to train staff and improve laboratory efficiency.

## Challenges of traditional PCR

Purchasing individual kits increases inventory and decreases flexibility in ordering.



Running individual targets on separate plates increases time to results.



Running separate real-time PCR cycling programs increases the investment in real-time PCR instruments.



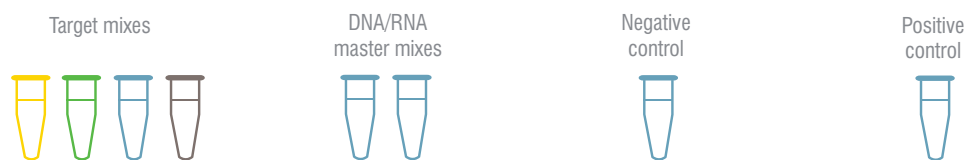
Count on support from extraction to analysis.

**IDEXX offers:**

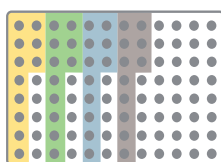
- Extraction kits for high- and low-throughput laboratories.
- Reagents to identify multiple DNA and RNA targets.
- Laboratory monitoring tools and assistance.

**Benefits of the modular RealPCR platform**

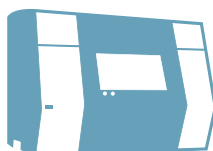
Purchase individual components as needed.



Run RNA and DNA targets side by side rather than on separate plates.



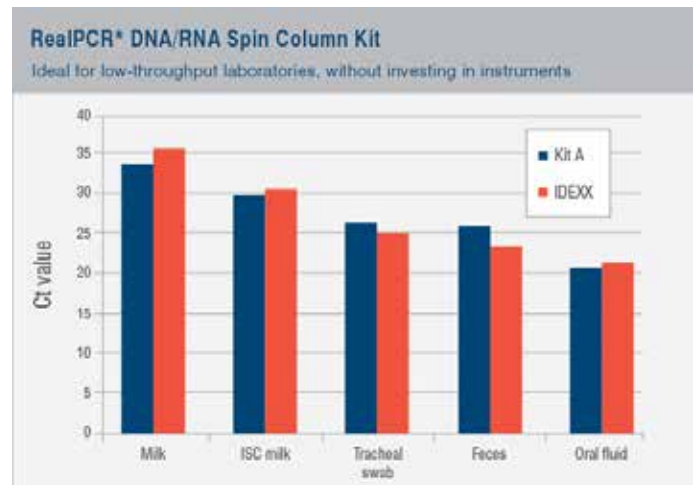
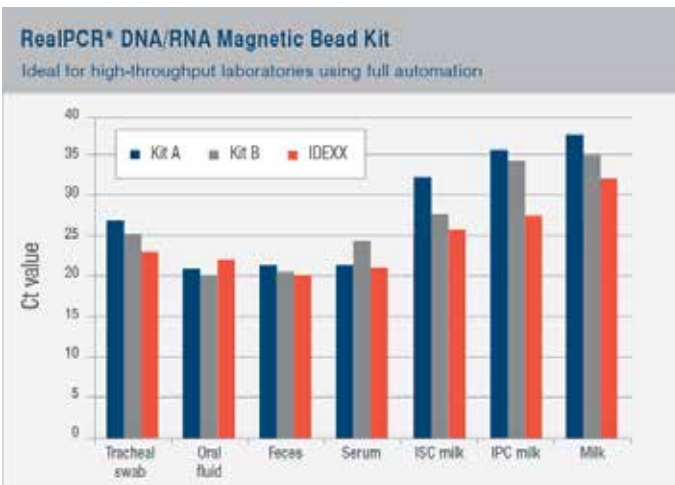
Use a single-cycling protocol (<70 minutes\*) for all reactions and analyze results at the same time.



**Note:** For the complete list of components, see the last page of this brochure.

# Perform extraction with greater speed and efficiency

The modular RealPCR\* platform includes extraction kits for high- and low-throughput laboratories. Both kits have been extensively validated on all common sample types, including feces.



Demonstrated performance versus other commercially available extraction kits

## Mic qPCR instrument

- Small-sized, 4-channel qPCR instrument for 48 samples
- Easily scalable for larger sample volumes by connecting multiple instruments to one computer
- Validated on all IDEXX RealPCR reagents
- Minimum installation and service requirements
- Complete thermal uniformity due to circular platform and magnetic induction
- No reference dyes, calibration, or crosstalk compensation



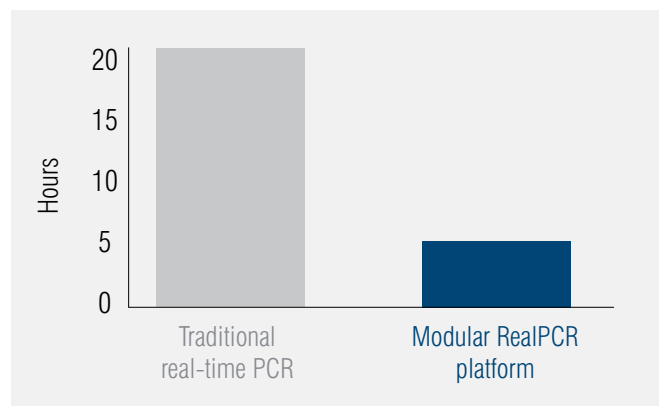
# Improve efficiency at your laboratory

The modular RealPCR\* platform meets the need for a high-throughput PCR laboratory. Since 2007, this platform has been used in IDEXX Reference Laboratories worldwide for more than 200 disease targets in companion animals. Additional targets are being added regularly.

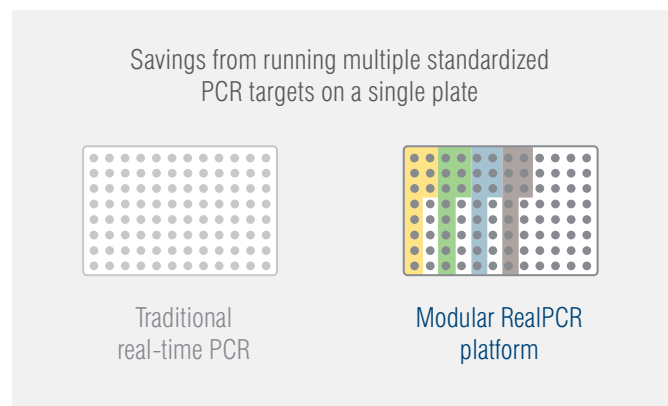
## Proven to save time and money

The IDEXX Molecular Diagnostics Laboratory, a high-throughput laboratory in California, USA, transitioned to the modular RealPCR platform and evaluated its impact. Results after 6 months are shown below.

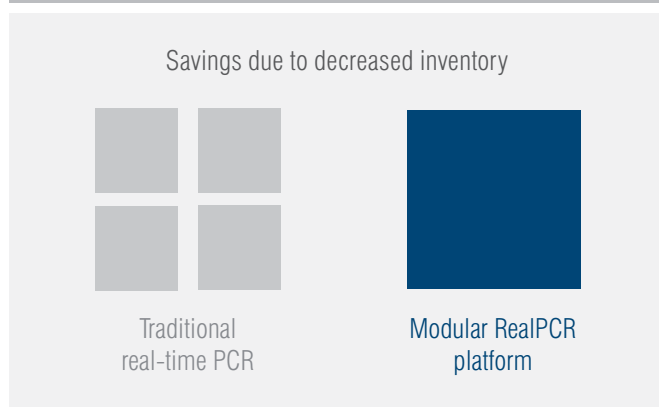
### Reduced processing time by 75%<sup>1</sup>



### Reduced running costs by 50%<sup>1</sup>



### Reduced operations costs by 25%<sup>1</sup>



#### Increased sample throughput

Standardized extraction protocol streamlined processing of different sample types.

#### Increased capacity

Standardized PCR cycling protocol and ability to run DNA and RNA targets on a single plate improved efficiency.

#### Increased operational efficiencies

Use of the modular platform saved staff time managing reagents, programming instruments, and running reactions.

#### Increased profit margins

Using shared components for multiple targets yielded more medical information at a lower cost of goods.

# Experience quality control at every level

The modular RealPCR\* platform components have built-in quality controls and offer expert guidance for laboratory monitoring. Our PCR specialists and technical services will help you detect contamination before it enters your samples and affects your results.

#### Make validation of each run automatic.

The RealPCR\* Positive Control contains all targets on the modular RealPCR platform.

**Validate every step of the process without adding a step.** Internal sample controls detect endogenous DNA or RNA.

#### Simplify monitoring positive-control contamination.

The unique IDEXX Signature Sequence is in the RealPCR Positive Control.

#### Monitor and control contamination with ease.

IDEXX offers tools and guidelines to monitor laboratory contaminations.



## The modular RealPCR platform is eco-friendly

#### Electronic inserts

Use the QR code on the package to access product inserts.

#### Lyophilized reagents

Eliminate dry ice and the hassles of shipping dangerous goods.

#### Reduced packaging materials

Reagents come in small pouches, minimizing waste.

# Start standardizing your workflow today

## Modular RealPCR\* platform

	Part number	Product name
<b>African swine fever virus (ASFV)</b>	99-56020	RealPCR* ASFV DNA Mix
<b>Avian influenza (AI) virus/swine influenza virus/influenza A virus</b>	99-56200	RealPCR* Influenza A RNA Mix
<b>Bovine viral diarrhea virus (BVDV)</b>	99-56315	RealPCR* BVDV Positive Control DE†
	99-56610	RealPCR* BVDV RNA Mix
	99-56611-DE	RealPCR* BVDV RNA Mix DE†
<b>Enzootic pneumonia/Mycoplasma hyopneumoniae (M. hyo.)</b>	99-56305	RealPCR* M. hyo. DNA Mix



IDEXX will help you select and order components simply and efficiently.

Modular RealPCR* platform, <i>continued</i>		
<b>Mic qPCR</b>	98-0012763-00	MIC-4 Bluetooth Antenna
	98-0012760-00	MIC-4 Capping Tool
	98-0012758-00	MIC-4 qPCR Cyclor
	98-0012761-00	MIC-4 Power Adaptor
	98-0012762-00	MIC-4 Tube Clamp
	98-0012759-00	MIC-4 Tubes and Caps
<b><i>Mycoplasma</i> spp.</b>	99-56530	RealPCR* MG DNA Mix
	99-56550	RealPCR* MS DNA Mix
	99-56500	RealPCR* MG/MS Multiplex DNA Mix
<b>Paratuberculosis (Johne's disease)/ <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP)</b>	99-56620	RealPCR* MAP DNA Mix
	99-56621-DE	RealPCR* MAP DNA Mix DE
	99-56316	RealPCR* MAP Positive Control DE
	99-56104	RealPCR* MAP Pre-Extraction Reagents
<b>Porcine reproductive and respiratory syndrome (PRRS) virus</b>	99-56645	RealPCR* NA PRRS Types 1–2 RNA Mix
	99-56660	RealPCR* PRSSV-2 RNA Mix
<b>Salmonellosis</b>	99-56221	RealPCR* <i>Salmonella</i> spp. DNA Mix
	99-56240	RealPCR* <i>S. Typhimurium</i> DNA Mix
<b>Swine enteric coronaviruses</b>	99-56430	RealPCR* PDCoV RNA Mix
	99-56420	RealPCR* PEDV RNA Mix
	99-56450	RealPCR* PEDV/PDCoV Multiplex RNA Mix
	99-56440	RealPCR* TGEV RNA Mix
<b><i>Tritrichomonas foetus</i> (<i>T. foetus</i>)</b>	99-56030	RealPCR* <i>T. foetus</i> DNA Mix
<b>Platform components</b>	99-56250	RealPCR* DNA Master Mix
	99-56280	RealPCR* RNA Master Mix
	99-56410	RealPCR* PC Tracker DNA Mix
	99-56405	RealPCR* Signal Check DNA Mix
	99-56330	RealPCR* Internal Positive Control
	99-56310	RealPCR* Positive Control
	99-56350	RealPCR* PCR Grade Water
	99-56370	RealPCR* Rapid Lysis Buffer
	99-56107	RealPCR* Tissue Lysis Buffer
	99-56106	RealPCR* DNA/RNA Magnetic Bead Kit (96 reactions)
	99-56102	RealPCR* DNA/RNA Magnetic Bead Kit (384 reactions)
	99-56103	RealPCR* DNA/RNA Spin Column Kit
99-0007894	RealPCR* Lab Monitoring Set	
<b>Accessories</b>	98-56150-00	Magnetic Bead 96
	98-56151-00	Magnetic Bead Strips
	98-56152-00	Sealing Foil

**Note:** Not all products are available and/or registered in every country.

\*Not available in the United States.

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[idexx.com/ModularPCR](https://idexx.com/ModularPCR)

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†Actual time determined by RAM speed of individual instruments.

**Reference**

1. Data on file at IDEXX Laboratories, Inc. Westbrook, Maine USA.

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