



**IDEXX** Test with Confidence™

Standardized. Streamlined. Efficient.

The modular RealPCR\* platform

# Speed up and simplify your PCR work flow

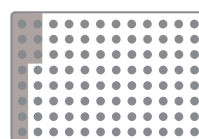
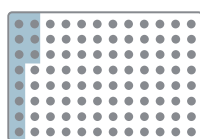
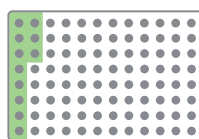
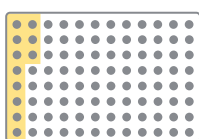
The modular RealPCR\* platform streamlines your PCR work flow with individual components that are standardized to work together. All RealPCR targets use the same work flow, making it easy to train staff and improve laboratory efficiency.

## Challenges of traditional PCR

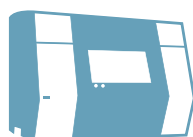
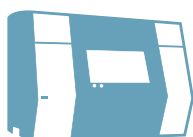
Purchasing individual kits increases inventory and decreases flexibility in ordering.



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.



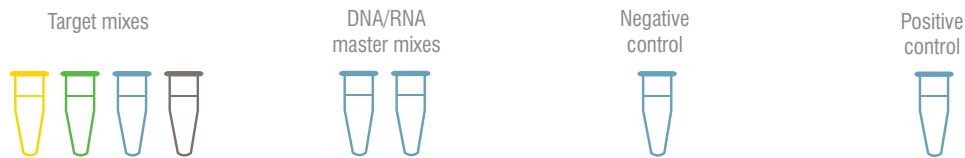
Count on support from extraction to analysis.

**IDEXX offers:**

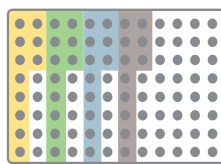
- Extraction kits for high- and low-throughput laboratories.
- Reagents to identify multiple DNA and RNA targets.
- Laboratory monitoring tools and assistance.

### Benefits of the modular RealPCR platform

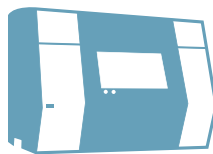
Purchase individual components as needed.



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.

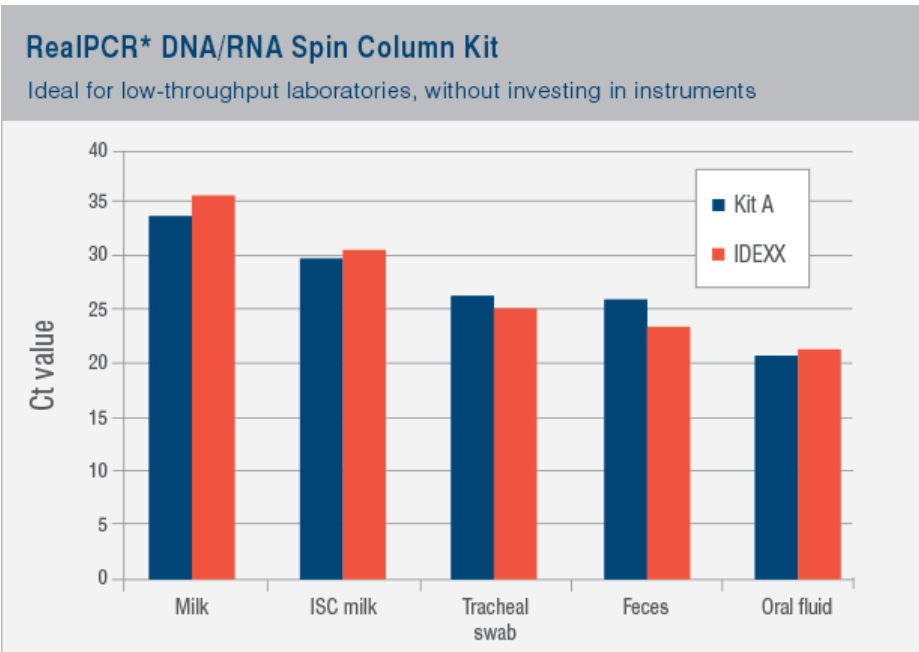
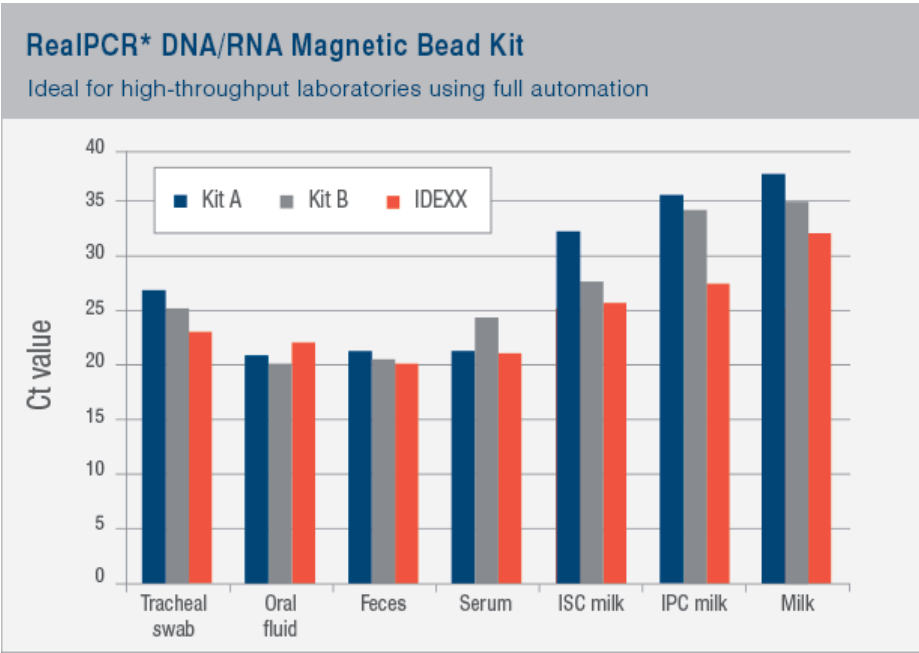


See the complete list of components on the last page of this brochure.



# 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



## 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.

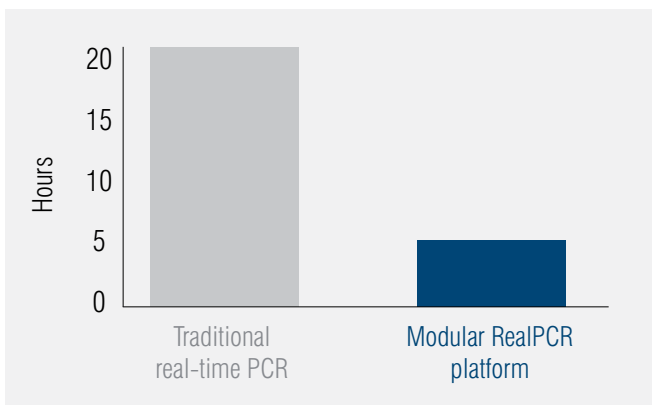
# Improve efficiency at your laboratory

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

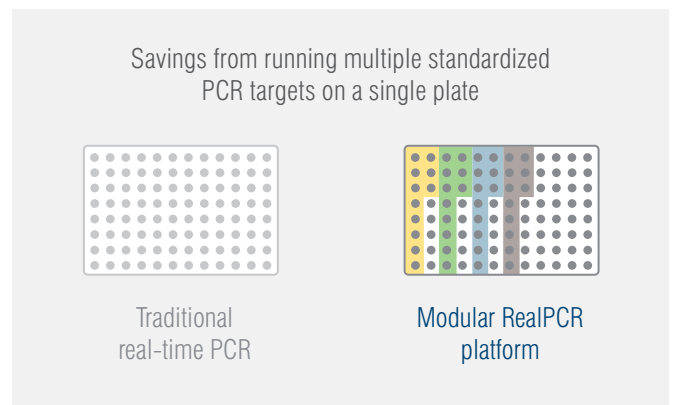
## Proven to save time and money

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.

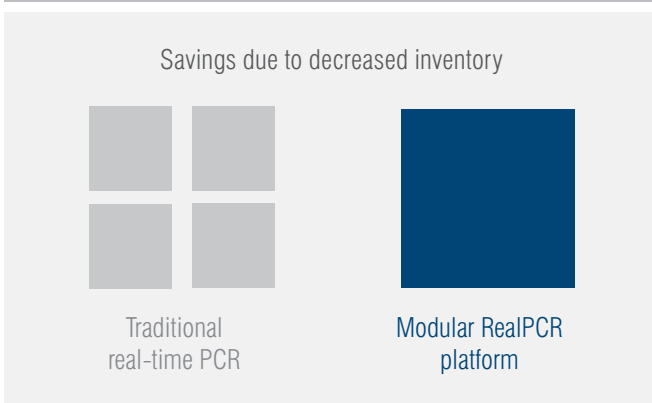
### Reduced processing time by 75%<sup>1</sup>



### 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, running reactions.

#### Increased profit margins

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



# Start standardizing your work flow today

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

## Modular RealPCR\* platform

	Part number	Product name
<b>African swine fever virus (ASFV) DNA</b>	99-56020	RealPCR* ASFV DNA Mix
<b>Bovine viral diarrhea virus (BVDV) RNA</b>	99-56610	RealPCR* BVDV RNA Mix
	99-566611-DE	RealPCR* BVDV RNA Mix DE
<b>Mycoplasma spp. DNA</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)/ Mycobacterium avium subsp. paratuberculosis (MAP) DNA</b>	99-56620	RealPCR* MAP DNA Mix
	99-56104	RealPCR* Pre-extraction Reagents
<b>Porcine reproductive and respiratory syndrome (PRRS) virus RNA</b>	99-56645	RealPCR* NA PRRS Types 1–2 RNA Mix
<b>Salmonella DNA</b>	99-56221	RealPCR* <i>Salmonella</i> spp. DNA Mix
	99-56240	RealPCR* <i>S. Typhimurium</i> DNA Mix
<b>Swine enteric coronaviruses RNA</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>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
	99-56315	RealPCR* BVDV Positive Control DE
	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
<b>Accessories</b>	99-56106	RealPCR* DNA/RNA Magnetic Bead Kit (96)
	99-56102	RealPCR* DNA/RNA Magnetic Bead Kit (384)
	99-56103	RealPCR* DNA/RNA Spin Column Kit (50)
	98-56150-00	Magnetic Bead 96 (384)
	98-56151-00	Magnetic Bead Strips (96)
	98-56152-00	Sealing Foil

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

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[idexx.com/ModularPCR](http://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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