

Animal health

MagMAX CORE Nucleic Acid Purification Kit

Quality results start with strong sample extraction

Maximize

Unleash the full potential of your lab with the power of the Applied Biosystems™ MagMAX™ CORE Nucleic Acid Purification Kit—an all-in-one solution for your sample extraction needs. This versatile modular technology, optimized for a broad spectrum of veterinary sample matrices, can revolutionize your lab operations with exceptional convenience, consistency, and savings in time and cost.

Optimize

Maximize efficiency and minimize cost. The MagMAX CORE Nucleic Acid Purification Kit is optimized to help increase productivity in the lab:

- Complete workflows address **14 unique sample types** to support your lab with a universal solution
 - Whole blood
 - Oral fluids
 - Tissues and organs
 - Hair follicles
 - Serum
 - Environmental samples
 - Animal, fecal, and environmental swabs
 - Feces
 - Plasma
 - Milk and mastitic milk
 - Semen
 - Ear notches
 - Ear punches
 - Biomed Diagnostics™ InPouch™ TF (*Tritrichomonas foetus*) culture
- **Room-temperature reagents** improve product handling and help save on storage space and costs
- **A single protocol** adapted for multiple Thermo Scientific™ KingFisher™ instruments helps enable unification of all workflows regardless of throughput
- **Fewer washes** leading to reduced plastics helps minimize waste and extra costs

Accelerate

Fast-track success in the lab with the MagMAX CORE kit workflow designed to reach accurate results quickly.

- Highly effective nucleic acid extraction (Figure 1), enabling **fewer workflow interruptions and greater sensitivity**
- **Faster workflow**, allowing for quick time-to-results
- Less preparation time because **premixed washes** don't require the addition of alcohols

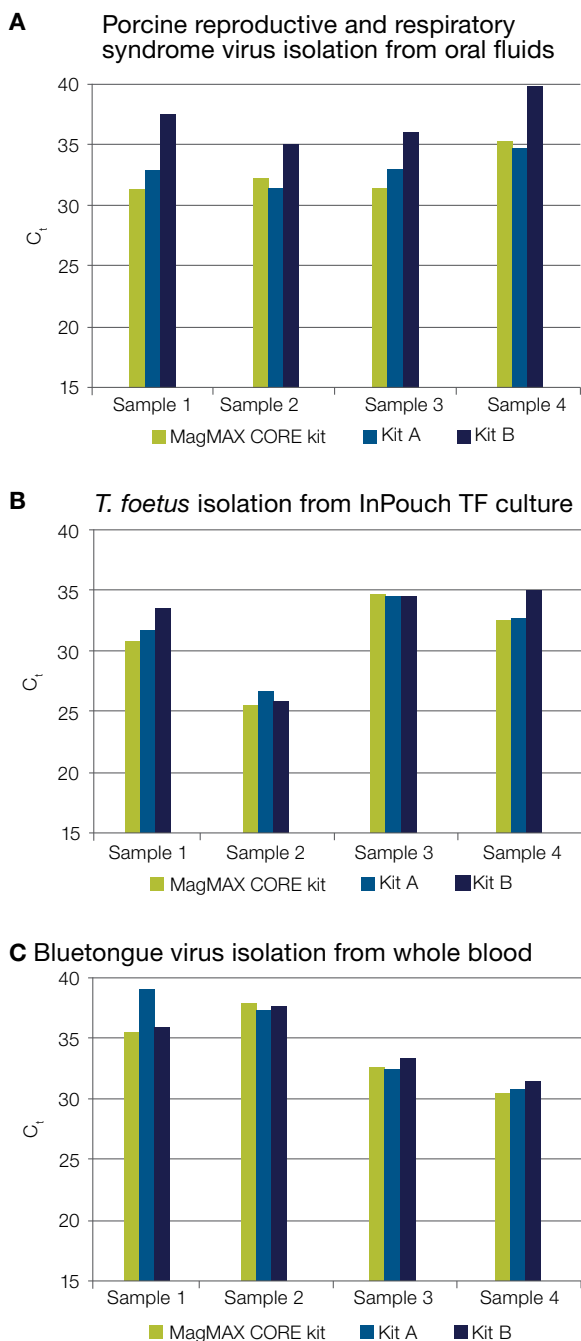


Figure 1. Performance of the MagMAX CORE Nucleic Acid Purification Kit compared to two other suppliers' nucleic acid extraction kits in isolating and purifying various nucleic acid pathogens from field samples: (A) oral fluids, (B) InPouch TF culture, and (C) whole-blood culture.

MagMAX CORE Mechanical Lysis Module

The Applied Biosystems™ MagMAX™ CORE Mechanical Lysis Module is designed to meet your lab's testing needs for *Mycobacterium avium paratuberculosis* (MAP) and other hard-to-lyse pathogens (Figure 2).

- A complete solution using the same Applied Biosystems™ MagMAX™ CORE chemistry
- Get high-quality nucleic acids from both small-volume (0.3 g) and large-volume (2–5 g) sample inputs
- Validated on feces, milk, and environmental samples
- Only purchase what you need

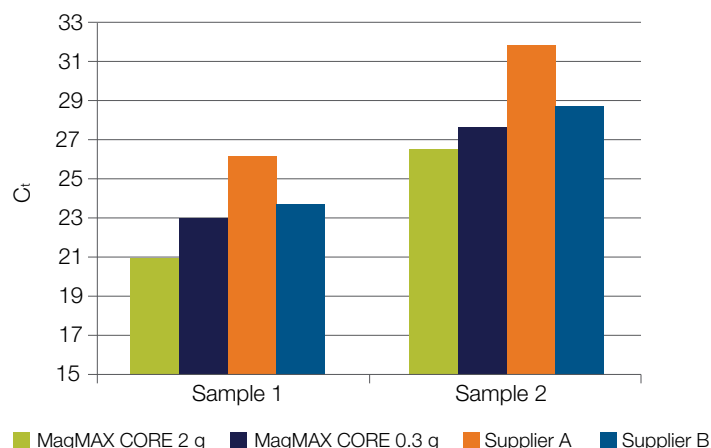


Figure 2. MAP nucleic acid isolation and purification from bovine feces.

MagMAX CORE Mastitis & Panbacteria Module

The Applied Biosystems™ MagMAX™ CORE Mastitis & Panbacteria Module is offered in combination with the MagMAX CORE kit to aid in the processing of all bacteria, especially those that are important in the identification of mastitis-causing bacteria from challenging matrices like mastitic bovine milk.

The MagMAX CORE Mastitis & Panbacteria Module includes a specially optimized lysis solution and an alternative script to improve the recovery of nucleic acid from all bacteria, including gram-positive bacteria.

Key features:

- **Convenient**—a complete solution using the same MagMAX CORE chemistry
- **Easy**—no centrifugation and no aspiration steps
- **Fast**—less than 1 hour to process 96 samples
- **Flexible**—appropriate for fresh, frozen, or preserved milk, including samples with high somatic cell counts

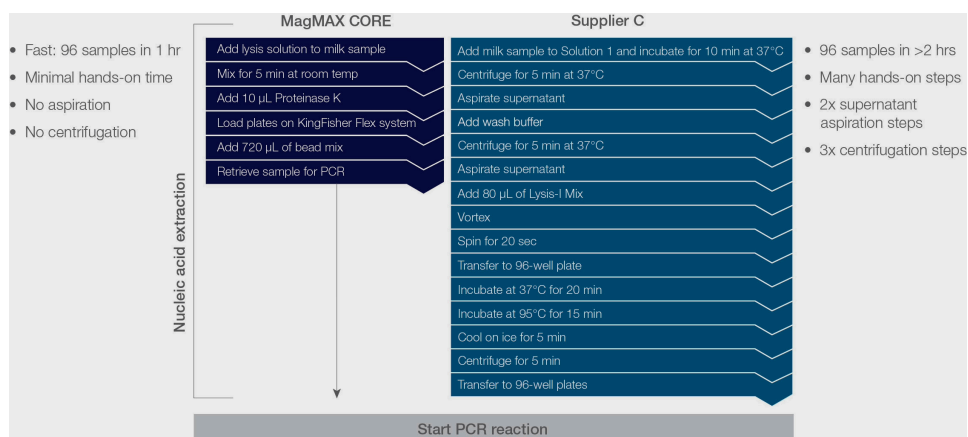


Figure 3. MagMAX CORE nucleic acid extraction kit vs. Supplier C kit.

Ordering information

Description	Quantity	Cat. No.
MagMAX CORE kit and module		
MagMAX CORE Nucleic Acid Purification Kit	100 reactions	A32700
	500 reactions	A32702
MagMAX CORE Mechanical Lysis Module	100 reactions	A32836
Combination kits for easy ordering		
MagMAX CORE Nucleic Acid Purification Kit + Mechanical Lysis Module	100 reactions	A37487
MagMAX CORE Nucleic Acid Purification Kit + Mechanical Lysis Module + Glass Microbeads	100 reactions	A37488
MagMAX CORE Nucleic Acid Purification Kit + Mastitis & Panbacteria Module	100 reactions	A40289
Additional products for specific workflows		
MagMAX CORE Glass Microbeads	100 reactions	A37489
MagMAX CORE Lysis Solution	100 reactions	A32837
MagMAX Pathogen RNA/DNA Kit	480 reactions	4462359
MagMAX-96 Viral RNA Isolation Kit	96 reactions	AM1836
MagMAX-96 AI/ND Viral RNA Isolation Kit	384 reactions	AM1835
MagMAX Total Nucleic Acid Isolation Kit	100 reactions	AM1840
KingFisher instruments		
KingFisher Flex instrument, 96-well		5400630
KingFisher Duo Prime instrument, 2 x 12 well		5400110
KingFisher Apex instrument, 96-well		5400930

 Learn more at thermofisher.com/animalhealth

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