

Johne's disease detection

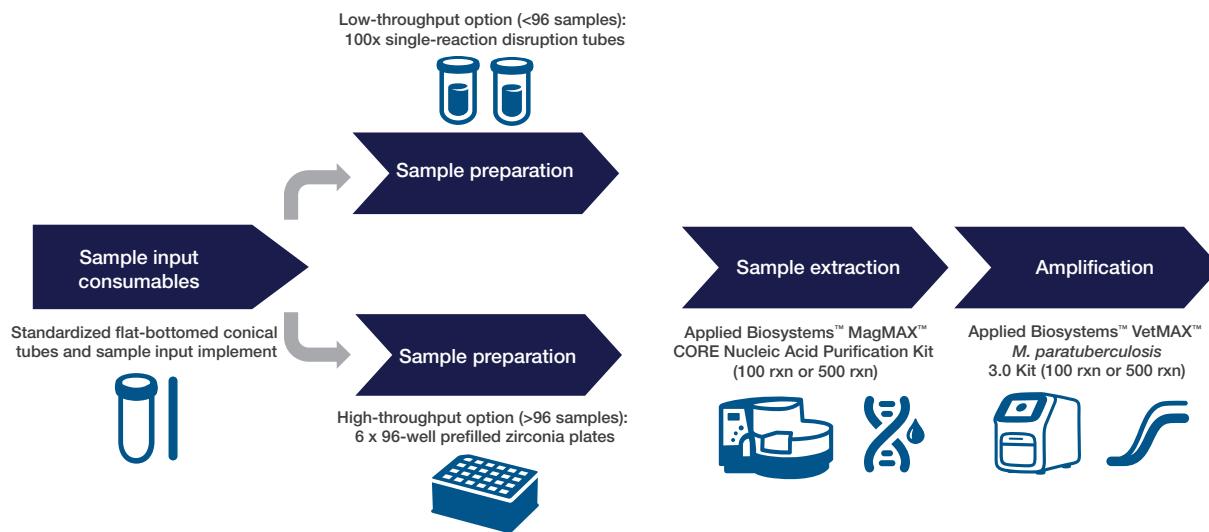
# VetMAX *M. paratuberculosis* 3.0 Kit Toolbox Solution



## Quick, reliable results to help protect herds

Secure the health and productivity of livestock with the Applied Biosystems™ VetMAX™ *M. paratuberculosis* 3.0 Kit Toolbox Solution. Designed for dependability and rapidity, this solution provides a complete workflow from sample collection to amplification, helping effectively manage Johne's disease, also known as paratuberculosis, which is caused by *Mycobacterium avium* spp. *paratuberculosis* (MAP).

### Streamlined workflow, reliable detection



### Consistent performance:

Minimize the risk of false positives and negatives with kit performance showing >99% sensitivity and specificity to help ensure that infected animals are not mistakenly identified as healthy.

### High-throughput (>96 samples) capabilities:

Swiftly process large sample volumes with an efficient eight-step sample preparation protocol, helping enhance lab efficiency and make disease management more timely.

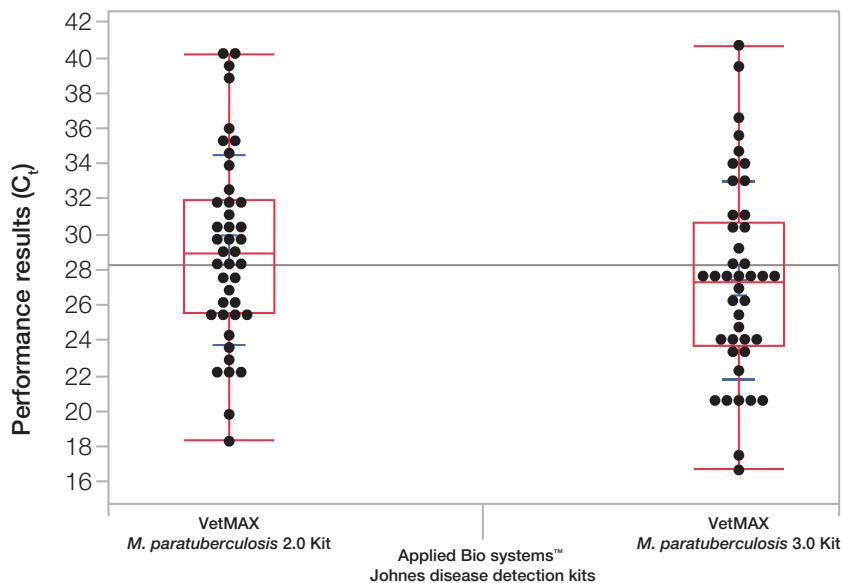
### Fast results:

Enable prompt, dependable results to help reduce disease spread and safeguard herd productivity and economic interests.

### Validated on a broad range of species and sample types:

Optimized MAP testing for ruminants and camelids on various sample types, including fecal and environmental, to help simplify workflows, reduce protocols, and cut costs.

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The plot graph above compares the  $C_t$  (threshold cycle) results of the VetMAX *M. paratuberculosis* 3.0 Kit to those of the Applied Biosystems™ VetMAX™ *M. paratuberculosis* 2.0 Kit on a range of fecal panel samples. The updated kit consistently shows earlier  $C_t$  values, indicating its enhanced sensitivity and accuracy in detecting paratuberculosis. This improvement helps ensure

more reliable results and better information for treatment and management, ultimately benefiting herd health.

Upgrade to the VetMAX *M. paratuberculosis* 3.0 Kit Toolbox Solution to help optimize your diagnostic capabilities, streamline your workflow, and empower your lab to deliver rapid diagnostics for healthy herds and profitable livestock operations.

#### Ordering information

Description	Type	Quantity	Cat. No.
<i>M. paratuberculosis</i> real-time PCR sample input consumables	Sample input consumable	500 tongue depressors, 500 x 50 mL conical tubes	A40004822
MagMAX CORE Nucleic Acid Purification Kit, disruption tubes module	Sample disruption	100 disruption tubes, 200 mL clarifying solution	A40004819
MagMAX CORE Nucleic Acid Purification Kit, disruption plates module	Sample disruption	6 x 96-well disruption plates, 1 L clarifying solution	A40004818
MagMAX CORE Nucleic Acid Purification Kit	Sample extraction	100 reactions	A32700
		500 reactions	A32702
VetMAX <i>M. paratuberculosis</i> 3.0 Kit	Real-time PCR	100 reactions	A40001754
		500 reactions	A40001753
VetMAX <i>M. paratuberculosis</i> 3.0 Kit Toolbox Solution	Low-throughput workflow	100 reactions Comes with Cat. Nos. A40004822, A40004819, A32700, and A40001754	A40004116
	High-throughput workflow	500 reactions Comes with 500 tongue depressors, 500 50 mL conical tubes, and Cat. Nos. A40004818, A32702, and A40001753	A40004117

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