Mag-Bind® Universal Pathogen DNA 96 Kit

High throughput DNA and viral RNA isolation from a variety of sample sources

CAT NO: M4029

Disruptor Plate
Pre-filled with glass beads
Simultaneous homogenization & lysis of samples

Bead-Based
Scalable purification

Inhibitor-Free
DNA and viral RNA

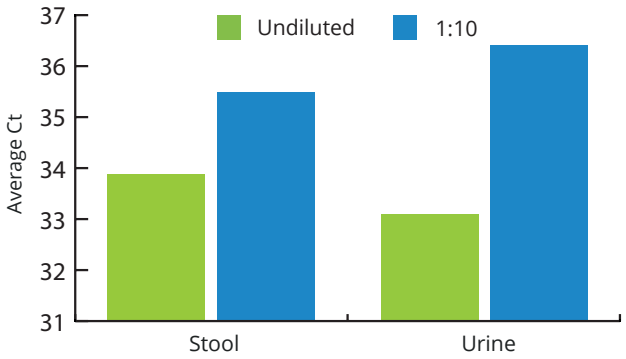
Safe
No phenol-chloroform extractions

Automatable
Adaptable on most open-ended liquid handlers

Mag-Bind® Universal Pathogen DNA 96 Kit

allows rapid and reliable isolation of high quality host genomic DNA, gram-positive and -negative bacterial DNA, fungal spore DNA, and viral DNA and viral RNA from tissue, urine, serum, and fecal samples. The extraction system allows for automation after sample lysis via Hamilton Microlab® STAR™, Thermo KingFisher® Flex™, Applied Biosystems® MagMAX™ 96, Qiagen BioSprint® 96, and other liquid handling instruments. Typical automated processing time is 1 hour for 96 samples.

This novel system combines the rapid magnetic respose time of Mag-Bind® technology with the uniquely formulated RBB Buffer to eliminate the isolation of PCR-inhibiting compounds along with the nucleic acids of interest. No organic extractions are involved, reducing plastic waste and hands-on time, and making it amenable for high throughput applications. Purified DNA is suitable for a variety of applications including NGS, PCR, restriction digestion, etc.

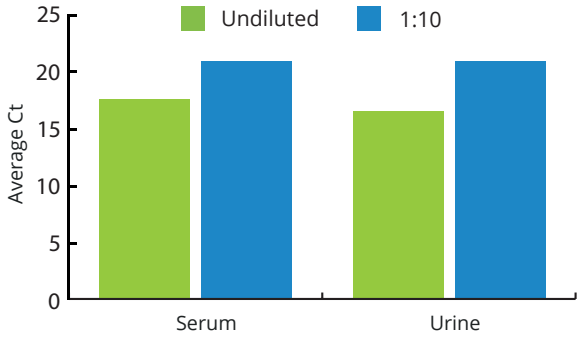


Detection of Gram-Positive Bacteria

Figure 1. Group B *Streptococcus* was spiked into corresponding sample types and isolated with the Mag-Bind® Universal Pathogen DNA 96 Kit. 20 µL SYBR® qPCR was performed in triplicate on primers specific to the target organism. Average of triplicate data is shown.

Detection of Gram-Negative Bacteria

Figure 2. *E. coli* cells cultured overnight in LB broth and was spiked into corresponding sample types and isolated with the Mag-Bind® Universal Pathogen DNA 96 Kit. 20 µL SYBR® qPCR was performed in triplicate on primers specific to the target organism. Average of triplicate data is shown.



Product Description	Preps	Cat No.
Mag-Bind® Universal Pathogen DNA 96 Kit	1 x 96	M4029-00
	4 x 96	M4029-01

For free samples of any of our kits, visit www.omegabiotek.com

omega BIO-TEK
innovations in nucleic acid isolation

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Lit No. SL-0017

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Detection of Viral DNA

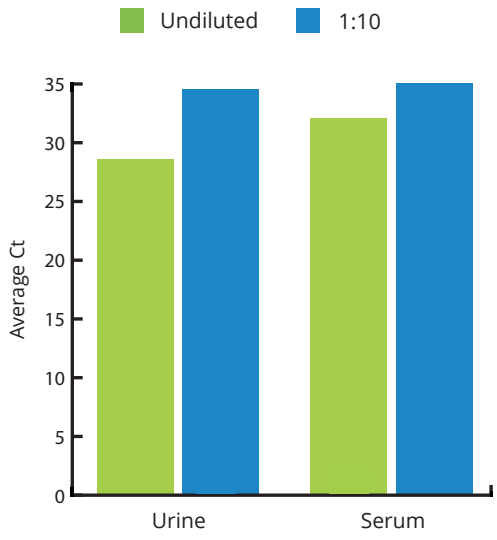

Figure 3. HBV virus was spiked into correspondng sample types and isolated with Mag-Bind® Universal Pathogen DNA 96 Kit. 20 µL SYBR® qPCR was performed in triplicate on primers specific to the target organism. Average of triplicate data is shown.

Detection of Viral RNA

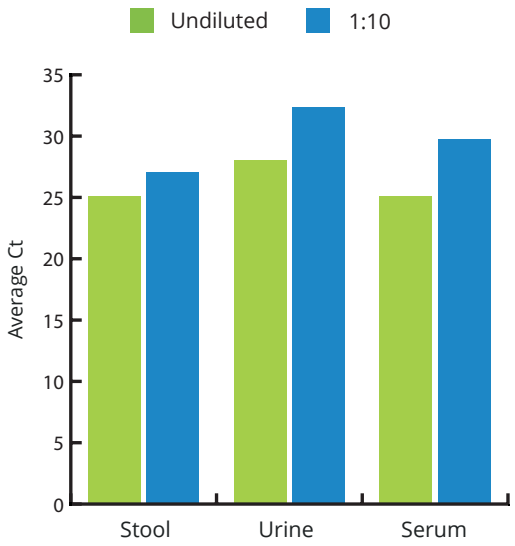

Figure 4. Influenza A/B virus was spiked into corresponding sample types and isolated with the Mag-Bind® Universal Pathogen DNA 96 Kit. 20 µL SYBR® qPCR were performed in triplicate on primers specific to the target organism. Average of triplicate data is shown.

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