

Innovative MagMAX kits support multiple downstream qPCR workflows

Versatility in nucleic acid isolation for infectious disease research

Working with infectious disease pathogens is often labor-intensive and manual. This is especially true when infectious disease researchers have to work with a variety of sample types for different disease applications including respiratory, sexually transmitted, vector-borne, and bloodborne illnesses. Each disease application poses a different challenge, and it is imperative to have an effective solution for nucleic acid extraction when working with infectious disease pathogens.

Achieve simple, streamlined workflows for various research applications with Applied Biosystems™ MagMAX™ kits on Thermo Scientific™ KingFisher™ automated purification instruments. MagMAX kits are specifically designed to extract nucleic acid from a variety of pathogens in different sample types with KingFisher systems. They take advantage of magnetic bead technology, which allows sensitive, specific, and reliable extraction. This method is scalable with the different KingFisher platforms in a low-, moderate-, or high-throughput environment.

Automate MagMAX nucleic acid isolation kits using KingFisher instruments

Discover the power of magnetic bead–based MagMAX kits for nucleic acid purification. You can obtain high-quality nucleic acids from a variety of sample types while saving time and embracing consistency by using these kits with KingFisher instruments for automated sample purification.

- Saves time—faster processing times when combined with KingFisher purification systems
- Fewer manual steps—reduce manual steps with versatile automation options incorporated with MagMAX technologies supporting various sample or pathogen research
- Consistent results—reproducible recovery of high-quality RNA and DNA with less variation in each run; compatible with many downstream applications













Applied Biosystems[™] MagMAX[™] Viral/ Pathogen I Nucleic Acid Isolation Kit

Applied Biosystems™ MagMAX™ Viral/ Pathogen II Nucleic Acid Isolation Kit

Applied Biosystems™ MagMAX™ Viral/Pathogen Ultra Nucleic Acid Isolation Kit

Applied Biosystems™ MagMAX™ DNA Multi-Sample Ultra 2.0 Kit

Applied Biosystems™ MagMAX™ Prime Viral/Pathogen NA Isolation Kit

Verified MagMAX kit capabilities (RUO)

MagMAX chemistry	Common sample types	Common targets	Nucleic acid	Cat. No.
MagMAX Viral/Pathogen I Nucleic Acid Isolation Kit	Swabs in transport media, saliva, urine, serum, plasma	Viruses, gram-negative bacteria	RNA, DNA	A48310
MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit	Swabs in transport media, saliva, urine, serum, plasma	Viruses, gram-negative bacteria	RNA, DNA	A48383R
MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit	Swabs in transport media, saliva, urine, serum, plasma	Viruses, gram-negative bacteria, gram-positive bacteria, yeast/fungus	RNA, DNA, bacteria	A42356
MagMAX DNA Multi-Sample Ultra 2.0 nucleic acid isolation kit	Whole blood, saliva, buffy coat, buccal swabs, blood cards, cultured cells, tissues	Viral DNA, genomic DNA	DNA	A36570
MagMAX Prime Viral/Pathogen NA Isolation Kit	Swabs in transport media, saliva, urine, plasma, serum, fecal swabs in transport media, raw stool, stabilized stool	Viruses, gram-negative bacteria, gram-positive bacteria, yeast/fungus, parasites	RNA, DNA, bacteria, parasites	A58145*

Note: Thermo Scientific™ KingFisher™ Presto instrument script for automation integration is available for MagMAX Viral/Pathogen I Nucleic Acid Isolation Kit and is dependent on sample type and workflow. All research workflows must be evaluated by the lab for compatibility.

Suggested MagMAX kits (RUO) by research application for common sample types

Research application	Common sample type	MagMAX chemistry
Viral/pathogen application		
Sexually transmitted infections	Plasma, serum, urine, whole blood, swabs in transport media, semen	
Transplant infections	Plasma, serum, urine, whole blood, swabs in transport media, saliva	MagMAY Viral/Dathagan I Nuclaia Acid Indiation Vit
Respiratory tract infections	Plasma, swabs in transport media, sputum, aspirate, lavage	MagMAX Viral/Pathogen I Nucleic Acid Isolation Kit MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit
Vector-borne diseases	Plasma, serum, urine, whole blood	MagMAX Prime Viral/Pathogen NA Isolation Kit
Hepatitis	Plasma, serum, whole blood	
Gastrointestinal (GI) tract infections	Raw stool, fecal swabs in transport media	
Genomic DNA application		
Blood clotting	Whole blood	MagMAX DNA Multi-Sample Ultra 2.0 Kit

^{*} Accessory Cat. Nos.: A58153, A58154, A58155, and A59053

MagMAX kits (RUO) by research application and various pathogen types

Research application	Pathogen type	Target	MagMAX chemistry			
		Herpes simplex virus (HSV-1/2)				
	Viruses	HIV type 1 (HIV-1)				
		Human papillomavirus (HPV)		MagMAX Prime Viral/ Pathogen NA Isolation Kit		
		Chlamydia trachomatis (CT)	MagMAX Viral/Pathogen I			
		Mycoplasma hominis (MH)	Nucleic Acid Isolation Kit MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit			
	Bacteria (gram-negative)	Neisseria gonorrhoeae (NG)				
Sexually transmitted infections		Treponema pallidum (TP)				
meetions		Ureaplasma				
		Ureaplasma urealyticum (UU)				
	Protozoa	Trichomonas vaginalis (TV)				
		Gardnerella vaginalis (GV)				
	Bacteria (gram-positive)	Mycoplasma genitalium (MG)	MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit			
	(grain-positive)	Ureaplasma pravum (UP)	- Nucleic Acid Isolation Nit			
		BK virus (BKV)				
		Cytomegalovirus (CMV)				
		Epstein-Barr virus (EBV)				
	Viruses	HSV-1/2	MagMAX Viral/Pathogen I Nucleic Acid Isolation Kit MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit MagMAX Prime \ Pathogen NA Iso			
		Human herpesvirus 6/7 (HHV-6/7)		MagMAY Drime Virel/		
Transplant infections		Human herpesvirus 8 (HHV-8)		Pathogen NA Isolation Kit		
		JC virus (JCV)				
		Parvovirus B19 (PVB19)				
		Varicella-Zoster virus (VZV)				
	Fungus	Aspergillus	MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit			
	Viruses	Enterovirus				
		Adenovirus (AdV)				
Respiratory tract	Bacteria (gram-negative)	Bordetella pertussis/parapertussis (BP)				
infections		Mycoplasma pneumoniae (MP)	MagNAX Viral/Dathagan I Nival	ois Asid Isolation Kit		
	(grain nogativo)	Chlamydia pneumoniae (CP)	- MagMAX Viral/Pathogen I Nucl			
	Bacteria (weak gram-positive)	Mycobacterium tuberculosis (MTB)		MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit MagMAX Prime Viral/Pathogen NA Isolation Kit		
Vector-borne diseases	Bacteria (gram-negative)	Borrelia spp.				
Hepatitis	Viruses	Hepatitis B virus (HBV)				
пераппо		Hepatitis C virus (HCV)				
		Factor II Prothrombin				
I I		Factor V Leiden				
		T dotor V Eddorr				
Blood clotting	Genomic DNA	Factor XIII V34L	- MagMAX DNA Multi Sample III	tra 2 0 Kit		
Blood clotting	Genomic DNA (gDNA)		- MagMAX DNA Multi-Sample UI	tra 2.0 Kit		
Blood clotting		Factor XIII V34L	- MagMAX DNA Multi-Sample Ul	tra 2.0 Kit		



Ordering information

Description	Cat. No.			
Reagents				
MagMAX Viral/Pathogen I Nucleic Acid Isolation Kit	A48310			
MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit	A48383R			
MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit	A42356			
MagMAX DNA Multi-Sample Ultra 2.0 Kit	A36570			
MagMAX Prime Viral/Pathogen NA Isolation Kit	A58145			
Purification systems				
KingFisher Apex Purification System with 96 Deep-Well Head*	5400930			
KingFisher Apex Purification System with 24 Combi Head*	5400940			
KingFisher Flex Purification System with 24 Deep-Well Head*	5400640			
KingFisher Flex Purification System with 96 Deep-Well Head*	5400630			
KingFisher Presto Purification System with 24 Deep-Well Head	5400840			
KingFisher Presto Purification System with 96 Deep-Well Head	5400830			

^{*} For Laboratory Use.