

AMSBIO Launch New Pathogens Detection Kits

AMSBIO announce

the addition of several new products to its growing range of magnetic bead based nucleic acid extraction kits for pathogens detection.

The **MagSi-NA Pathogens MSP (Multiple Sample Pooling) kit**

sets a new benchmark for automated isolation of nucleic acids (RNA and DNA) from respiratory samples

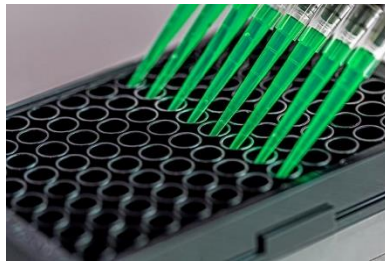


Image caption: Using AMSBIO MagSi kits

Sample pooling

is useful in times of high testing and low infection prevalence where traditional sample screening methods are not cost-effective. This will be particularly effective in school and healthcare settings where periodic and comprehensive testing of large numbers of asymptomatic individuals is needed to ensure rapid detection and control of outbreaks. In 'pooled testing', samples from many patients are collected and pooled before viral RNA extraction and PCR testing. If pooled samples are determined to be negative, this eliminates the need to test patients individually. Transmission from patients in positive pools can then be prevented through isolation and re-testing. This will allow labs to process more samples while simultaneously reducing reagent costs and saving time.

Traditionally

one of the main disadvantages in sample pooling has been the risk of false negative results due to dilution caused by classical sample pooling methods. The **MagSi-NA Pathogens MSP kit** overcomes this issue by using a non-dilutive technique to sequentially capture all viral RNA present in any of up to six samples, all in a single magnetic bead pellet. Rapid and complete

recovery from each sequential sample is ensured by our unique very-high-strength magnetic bead technology. The result is a nearly 6-fold increase in sample throughput and savings of up to 80% on extraction and PCR reagent costs. This is achieved without any reduction in sensitivity or increase in false negative rates.

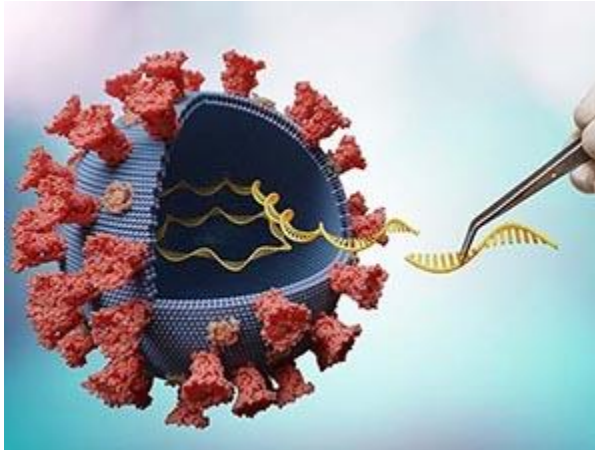


Image caption: Magnetic bead based nucleic acid extraction kits for pathogens detection

AMSBIO's new rQ MagSi-NA Pathogens kit

provides an elegant solution for the automated isolation of nucleic acids (RNA and DNA) from a wide range of samples using magnetic particle processors. The automation-ready rQ MagSi-NA Pathogens kit, consisting of conveniently pre-filled deep-well plates, will also help labs increase throughput and allow for the preparation of up to 96 samples in less than 20 min. The pre-filled plates can be used directly in PurePrep 96, 32, 16 or KingFisher automated, nucleic acid purification systems for the extraction of pathogenic DNA and RNA to reduce hands-on time and minimises errors to achieve consistent and reproducible results.

In addition, AMSBIO

has introduced a CE-IVD marked version of the existing popular Mag-Si NA pathogens kit. The new **MagSi-DX Pathogens kit** has been specifically validated for SARS-CoV-2 diagnostic workflow and is ideal for labs requiring CE-IVD products for use in human diagnostics. CE-IVD marked versions of MagSi-NA Pathogens MSP and rQ MagSi-NA Pathogens are scheduled for release in the coming months.

**All these new kits**

are based on AMSBIO's market-leading MagSi-Na Pathogens kit which uses strong magnetic beads to allow fast magnetic separation even from viscous human respiratory swabs and saliva samples to achieve consistently high yields of viral RNA, ideal for use in SARS-CoV-2 diagnostics.

For further information on the expanded range of magnetic bead-based nucleic acid extraction kits for pathogen extraction please visit <https://www.amsbio.com/magsi-na-pathogens-kit/> or contact AMSBIO on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / info@amsbio.com.

AMS Biotechnology (AMSBIO)

Founded in 1987, is recognized today as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products and services for research and development in the medical, nutrition, cosmetics, and energy industries. AMSBIO has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows AMSBIO to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, AMSBIO offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, AMSBIO is widely recognised as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cell and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery (lentivirus, adenovirus, and adeno-associated virus).



Worldwide HQ

AMS Biotechnology (AMSBIO)

184 Milton Park
Abingdon
Oxon OX14 4SE
UK

Tel: +44-1235-828200

Fax: +44-1235-820482

Email: info@amsbio.com

Web www.amsbio.com

North American HQ

AMSBIO LLC

1035 Cambridge Street
Cambridge
MA 02141
USA

Tel: +1.617.945.5033

Tel: +1.800.987.0985 (toll free)

Email: info@amsbio.com

Web www.amsbio.com