



# Automated RNA Extraction

## COVID-19 Detection in Clinical Swab Samples

With **rising number of COVID-19 (SARS-CoV-2) infections**, diagnostic laboratories face an unprecedented demand for testing capacity. To meet this demand, laboratories need an easy and highly efficient detection method that works with existing automation platforms.

In order to **detect virus particles in human respiratory samples**, the virus needs to be isolated and the viral RNA extracted prior to a Real-Time RT-PCR analysis.

**The GSD NovaPrime® RNA Extraction** kits enable the automated, magnetic bead extraction of high-quality RNA from clinical swabs on the most common automation platforms. The workflows have been optimised for an efficient and reliable process which ensures the removal of potential inhibitors from sample matrices.

### Key Benefits

- Easy implementation and improved extraction time
- Magnetic bead technology for automated extraction of genomic SARS-CoV-2 RNA
- Respiratory samples from clinical specimens (nasal, nasopharyngeal, oropharyngeal)
- Validated for the most common automation platforms
- Ideal for the use with our GSD NovaPrime® SARS-CoV-2 (COVID-19) RT-PCR assay

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### Intended Use

The **GSD NovaPrime® RNA Extraction AE1 and AE2 kits** are intended for automated extraction of genomic SARS-CoV-2 RNA from human respiratory (nasal wash/swab, nasopharyngeal wash/swab, oropharyngeal swab) specimen types. The test kits are validated for the use with the KingFisher™ Flex System, Maelstrom 9600 and MGI MGISP-960 automation platforms.\*

\* Compatibility testing with several other open-platform instruments is underway.

### Test Principle

GSD NovaPrime® RNA Extraction AE1 and AE2 kits isolate viral RNA using magnetic-bead extraction.



### Product Specifications

Product	Order No.	Format	Validated on	Description
<b>GSD NovaPrime® IVD RNA Extraction AE1</b>	HW/5524401101	1 x 96 reactions	KingFisher™ Flex System	Automated isolation of high-quality RNA from viral particles in human clinical swab samples.
	HW/5524401201	20 x 96 reactions	by ThermoFisher Scientific Maelstrom 9600 by TAN Bead	
<b>GSD NovaPrime® RNA Extraction AE2*</b>	HW/5524400901	1 x 96 reactions	MGI MGISP-960 by MGI Tech. Co., Ltd	

\*RUO: Research use only. Not for use in diagnostic procedures.

The kits need to be validated as required by local legislation for their intended use by authorized clinical testing laboratories. A CE-IVD marked version of the kit will be released at a later stage.



### Multiplex Real-Time PCR Kit

**GSD NovaPrime® RNA Extraction AE1 and AE2 kits** are ideal for use with the **GSD NovaPrime® SARS-CoV-2 (COVID-19) RT-PCR clinical IVD assay** (Order No.: HW/PCOV6033) for virus detection. *Not available in the USA*

Manufacturer of GSD NovaPrime® RNA Extraction kits:  
**Eurofins GeneScan Technologies GmbH**  
Germany, Engesserstrasse 4, 79108, Freiburg im Breisgau



For more information on our SARS-CoV-2 product line, please visit: [www.goldstandarddiagnostics.com](http://www.goldstandarddiagnostics.com)

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