

LaunchWorks xNetic™ Viral DNA/RNA Extraction Kit

The LaunchWorks xNetic™ Viral DNA/RNA Extraction Kit allows for a one-step magnetic bead-based extraction and purification of Viral RNA in less than 15 minutes. The procedure, for manual processing, only requires a magnetic rack and RNase-free microfuge tubes. Our technology has been validated for a variety of commercially available automated platforms with results that exceed performance compared to industry standards. The LaunchWorks xNetic Viral DNA/RNA Extraction Kit is a cost-effective solution that requires less components, less time and less capital investment for diagnostic sample preparation.

KEY FEATURES:

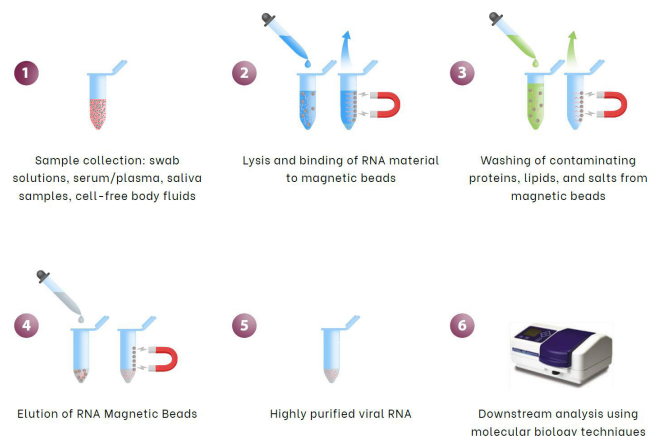
- Sample extraction in 15 minutes
- No heating, centrifugation or vortexing
- No Proteinase K or carrier RNA required
- No cold chain storage requirements for any test components
- Samples from swab solutions (VTM and MTM), serum/plasma, saliva, and other cell-free bodily fluids
- No expensive benchtop equipment needed for manual processing
- Performance equivalent or better than industry standard using manual or automated extraction platforms
- Reduce your extraction method material cost by 50%
- Manufactured in an ISO 13485:2016 certified facility under cGMP conditions

APPLICATIONS:

- Viral RNA and DNA Extraction and Purification
- Downstream RT-qPCR and isothermal PCR applications
- Compatible with Next Generation Sequencing (NGS)

PROCEDURE PRINCIPLES:

1. Lysis/Binding: LaunchWorks MagBeads added to the specimen sample.
2. Washing: Series of washes to remove contaminating proteins, lipids and salts.
3. Elution: Obtain purified DNA/RNA ready for downstream analysis using any molecular analysis techniques such as RT-qPCR for the gene targets of interest.

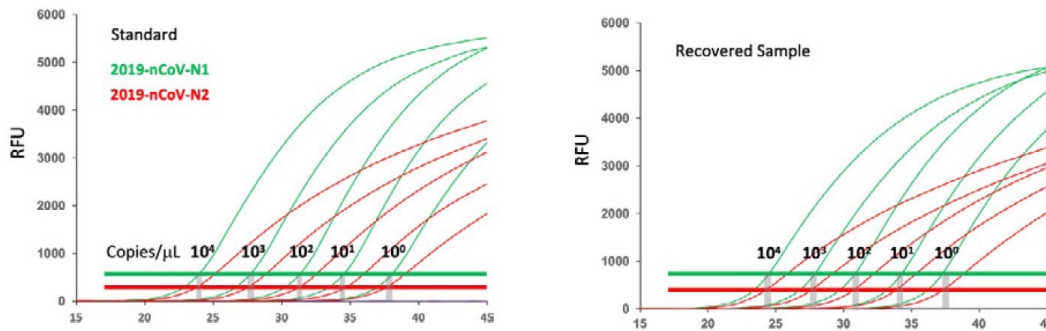


The LaunchWorks xNetic DNA/RNA Extraction Kit is amenable to automation using any commercially available platform that allows operation with third party reagents.



PERFORMANCE:

The performance of the LaunchWorks xNetic Viral DNA/RNA Extraction Kit showed high extraction efficiencies at 99 – 100% recovery for low SARS-CoV-2 copy numbers ranging from 1 – 100 copies/ μ L.



Threshold Cycle C

Concentration	Standard	Recovered Sample	Percent Recovery
100 copies/ μ L	30.98	30.99	99%
10 copies/ μ L	34.29	34.29	100%
1 copy/ μ L	37.52	37.46	100%

SPECIFICATIONS:

Product Name: LaunchWorks xNetic Viral DNA/RNA Extraction Kit

Components: Viral Lysis/Binding Buffer, Wash Buffer #1, Wash Buffer #2, Elution Buffer

Shelf Life: 12 months

Storage Temp: Ambient

Quality Control testing protocols are performed on each component and meet the designated specification for RNase, DNase and Protease free.

Ordering Information:

Part Number	Description	# of Tests/Kit
LWMLEX100	LaunchWorks xNetic Viral DNA/RNA Extraction Kit - Manual Bottle Format	100
LWMLEX250	LaunchWorks xNetic Viral DNA/RNA Extraction Kit - Manual Bottle Format	250
LWMLEX096	LaunchWorks xNetic Viral DNA/RNA Extraction Kit - Automated Plate Format	96

Please contact us at 978-338-3045 or info@LaunchWorksCDMO.com to learn more.

For Research Use Only. Please see the *Instructions for Use* document for further reference.

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Designed by Galenvs | For Certificate of Conformance information, contact: info@launchworkscdm.com
Note: This Extraction Kit has not been reviewed by the FDA or Health Canada