



Viral RNA and DNA

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NucleoSpin® Virus

Time saving parallel isolation of viral RNA / DNA from biological fluids

Features

- Convenient and highly efficient sample lysis by liquid Proteinase K
- Reliable virus detection from fresh or frozen serum / plasma treated with EDTA / citrate
- Highest sensitivity for DNA and RNA viruses e.g., Blue Tongue Virus and Cytomegalovirus

Available formats



Mini column

8-well strip

96-well plate

Ordering information

Product	Preps	REF
NucleoSpin® Virus	10 / 50 / 250	740983.10 / .50 / .250
NucleoSpin® 8 Virus	12 x 8 / 60 x 8	740643 / .5
NucleoSpin® 8 Virus Core Kit*	48 x 8	740451.4
NucleoSpin® 96 Virus	2 x 96 / 4 x 96	740691.2 / .4
NucleoSpin® 96 Virus Core Kit*	4 x 96	740452.4
Related product	Pack of	REF
Liquid Proteinase K	5 mL	740396

Applications

- Purification of human or animal viral RNA and DNA from serum, plasma, swab, and tissue homogenates

Specifications

- Technology: Silica membrane technology
- Fragment size: 100 bp–approx. 50 kbp

NucleoSpin® Virus

Mini

- Processing: Centrifugation
- Sample material: Cell-free biological fluids, swabs, and tissue homogenates (< 200 µL; < 400 µL with two loading steps)
- Elution volume: 30 µL
- Binding capacity: 25 µg
- Processing time: 50 min/6 preps



NucleoSpin® 8 Virus

8-well

- Processing: Manual or automated
- Sample material: Biological fluids (< 150 µL)
- Typical recovery: > 90 %
- Elution volume: 70–100 µL
- Binding capacity: 40 µg
- Processing time: 60 min/48 preps



NucleoSpin® 96 Virus

96-well

- Processing: Manual or automated
- Sample material: Cell-free biological fluids (< 150 µL)
- Typical recovery: > 90 %
- Elution volume: 70–100 µL
- Binding capacity: 40 µg
- Processing time: 60 min/96 preps



Starter Set C and other equipment



▶ See page 110

*Kits with basic content focusing on automatic platforms. Additional accessories can be combined as needed.



NucleoSpin® Dx Virus

CE-IVD marked mini spin kit* for the isolation of viral RNA / DNA from biological fluids

Features

- CE-IVD certification in compliance with EU directive 98/79/EC for *in-vitro* diagnostic applications*
- Sensitive detection of DNA / RNA viruses from fresh / frozen serum / plasma treated with EDTA / citrate

Available format



Mini column

Ordering information

Product	Preps	REF
NucleoSpin® Dx Virus	50	740895.50

Applications

- Isolation of viral RNA and / or viral DNA from 150 µL human plasma or serum* for subsequent *in-vitro* diagnostic purposes
- Isolation of viral RNA and / or viral DNA from animal samples, swabs, plasma, or serum (fresh or frozen, EDTA or citrate treated)**

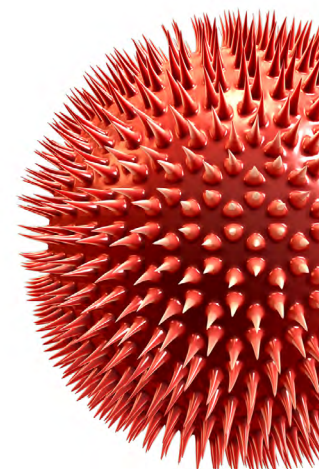
Specifications

- Technology: Silica membrane technology

NucleoSpin® Dx Virus



- Sample material: Plasma / serum (150 µL)
- Fragment size: 100 bp–approx. 50 kbp
- Elution volume: 50 µL
- Binding capacity: 40 µg
- Processing time: 30 min/6 preps



* CE-IVD marked kit: not available in all countries, please inquire.

** Out of the scope of the IVD Directive 98/79/EC.



NucleoSpin® RNA Virus F

Reliable purification of viral RNA and DNA from large volumes of biological fluids

Features

- Proven for a large variety of viruses including influenza viruses, HCV, HBV, HAV, HIV, HSV, HPV, VZV, EBV, parvovirus B19, H5N1, and H1N1
- Carrier RNA included for highest sensitivity in downstream applications
- Patented technology of NucleoSpin® Funnel Columns

Available format



Funnel column

Ordering information

Product	Preps	REF
NucleoSpin® RNA Virus F	25	740958
Related product	Pack of	REF
Proteinase K	100 mg	740506

Applications

- Purification of viral RNA and DNA from cell-free biological fluids (e.g., serum, plasma)
- Parallel isolation of viral RNA and DNA*

Specifications

- Technology: Silica membrane technology
- Fragment size: 100 bp–approx. 50 kbp

NucleoSpin® RNA Virus F

- Sample material: Cell-free biological fluids (< 1 mL)
- Elution volume: 50–100 µL
- Binding capacity: 30 µg
- Processing time: 45 min/6 preps



*For parallel isolation of viral RNA and DNA, use of Proteinase K is required (not included in the kit).



Viral RNA and DNA from serum and plasma

NucleoMag® Virus

Magnetic bead based isolation of viral RNA and DNA from biological fluids for flexible high throughput processing

Features

- Elution in minimal volume to achieve highest sensitivities for virus detection
- Complete processing at room temperature facilitates automation

Available format



Magnetic beads

Ordering information

Product	Preps	REF
NucleoMag® Virus	1 x 96 / 4 x 96	744800.1 / .4

Applications

- Extraction of viral DNA and RNA from biological fluids (e.g., serum, plasma)
- Norovirus RNA isolation from stool samples

Specifications

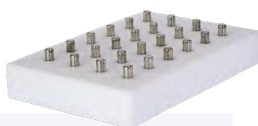
- Technology: Magnetic bead technology

NucleoMag® Virus

- Processing: Manual or automated
- Sample material: Biological fluids (< 200 µL)
- Elution volume: 50–100 µL
- Processing time: 45–120 min/96 preps



NucleoMag® SEP
and other accessories



▶ See page 112



Viral RNA / DNA and bacterial DNA from veterinary samples

NucleoMag® VET

Magnetic bead based DNA and RNA isolation from veterinary samples

Features

- Small elution volumes for highly concentrated RNA and DNA for maximal sensitivity

Available format



Magnetic beads

Ordering information

Product	Preps	REF
NucleoMag® VET	1 x 96 / 4 x 96	744200.1 / .4

Applications

- Extraction of viral RNA and DNA from veterinary samples
- Veterinary testing applications

Specifications

- Technology: Magnetic bead technology

NucleoMag® VET

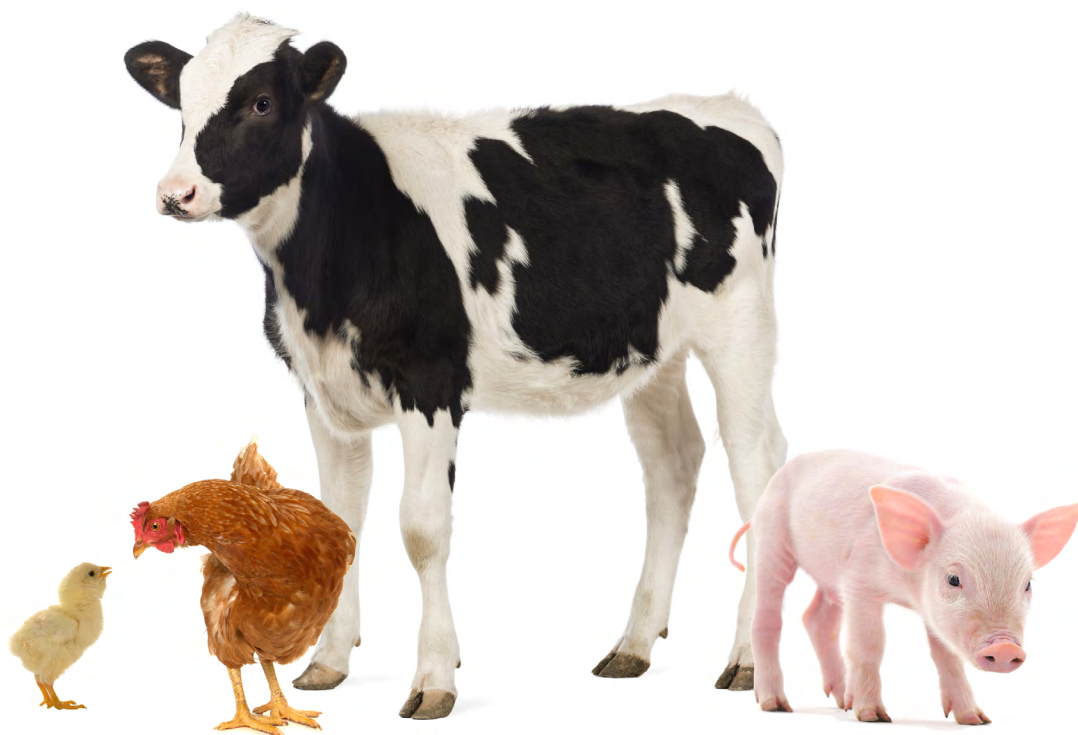
- Processing: Manual or automated
- Sample material: Whole blood / serum / plasma (< 200 µL), tissue (10–30 mg), feces (< 200 µL), swab wash solution (< 200 µL)
- Maximum amount of starting material: 200 µL liquid / homogenized sample
- Fragment size: 100 bp–approx. 50 kbp
- Elution volume: 50–100 µL
- Binding capacity: 0.4 µg/µL beads
- Processing time: 45–120 min/96 preps (45 min for KingFisher® Flex)



NucleoMag® SEP and other accessories



▶ See page 112





NucleoSpin® Blood

For rapid isolation of viral DNA from blood and biological fluids

Features

- Highly sensitive detection of viral DNA
- Reliable and reproducible DNA isolation of EDTA, citrate, heparin treated blood samples in less than 30 min
- Complete removal of PCR inhibitors

Available format



Mini column

Ordering information

Product	Preps	REF
NucleoSpin® Blood	10 / 50 / 250	740951.10 / .50 / .250

Applications

- Viral DNA from blood, serum, plasma, and biological fluids (e.g., HBV, CMV, HPV, TTV, EBV)
- Genomic and bacterial DNA from blood and biological fluids

Specifications

- Technology: Silica membrane technology

NucleoSpin® Blood

Mini



- Sample material: Blood / serum / plasma (5–200 µL), human / animal cells (5×10^6)
- Fragment size: 100 bp–approx. 50 kbp
- A_{260}/A_{280} : 1.6–1.9
- Elution volume: 60–200 µL
- Binding capacity: 60 µg
- Processing time: 30 min/prep