

NATtrol™

RESPIRATORY CONTROLS & PANELS

A BREATH OF FRESH AIR IN RESPIRATORY CONTROLS AND PANELS FOR MDX ASSAYS



ZeptoMetrix® NATtrol™ is the most trusted brand of third-party molecular diagnostic QC for respiratory testing. Utilizing ZeptoMetrix NATtrol Molecular Controls on a consistent basis helps to monitor testing performance and provides additional confidence in the quality and reliability of clinical laboratory operations.

What really matters to your lab: Refrigerated ready-to-use + Non-infectious + Whole microorganisms + Mimics a true clinical specimen

- Can be used across various molecular testing platforms and assays
- Available in different formats (single or multiple analytes)
- Full process controls to monitor extraction and amplification steps
- Train and monitor laboratory personnel
- Evaluate lot-to-lot consistency of test kits and assay reagents

ZeptoMetrix®

Web
www.h-h-c.com

Phone
+41 22 534 97 03

Email
incoming@h-h-c.com

Fax
+41 22 594 85 07

Address
Helvetica Health Care Sàrl – PO Box 1158 - CH – 1211 Geneva 5 AP - Switzerland

Qualitative

Part Number	Product Description	Target	Use*	Platform(s)**
Adenovirus				
NATADV1-ST	Adenovirus Type 1 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV3-ST	Adenovirus Type 3 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV4-ST	Adenovirus Type 4 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV5-ST	Adenovirus Type 5 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV7A-ST	Adenovirus Type 7A Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Adenovirus/Human Metapneumovirus/Rhinovirus (AdV/hMPV/HRV)				
NATAMR-ERC	AdV/hMPV/HRV Control (6 x 0.5mL)		RUO	Hologic® Panther Fusion®
Bordetella pertussis/parapertussis				
NATBRD-6L	B. pertussis/parapertussis Positive Control (6 x 0.25 mL)		RUO	Focus Simplexa™, Luminex® ARIES®
Coronavirus				
NATCOV(229E)-ST	Coronavirus 229E Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATCOV(NL63)-ST	Coronavirus NL63 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATCOV(OC43)-ST	Coronavirus OC43 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATSARS-ST	Coronavirus SARS Stock (1 mL)	25 to 28 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
Human Metapneumovirus (HMPV)				
NATHMPV-ST	HMPV Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Human Rhinovirus				
NATHRV-STN	Human Rhinovirus Type 1A Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Influenza				
NATCXVA9-6MC	Influenza Negative Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®
NATFVP(XP)-C	Influenza Verification Panel (18 x 0.5mL)		RUO	Cepheid® GeneXpert®
Influenza A				
NATFLUAH1-ERCL	Influenza A H1 External Run Control, Low (6 x 1 mL)	28 to 31 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUAH1-ERCM	Influenza A H1 External Run Control, Medium (6 x 1 mL)	25 to 28 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUAH1-ST	Influenza A H1 Virus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATFLUAH1N1-ERCL	Influenza A H1N1 External Run Control, Low (6 x 1 mL)	28 to 31 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUAH1N1-ERCM	Influenza A H1N1 External Run Control, Medium (6 x 1 mL)	25 to 28 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUAH1N1-6MC	Influenza A H1N1 Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®
NATFLUAH3-ST	Influenza A H3 Virus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Influenza B				
NATFLUB-ERCL	Influenza B External Run Control, Low (6 x 1 mL)	28 to 31 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUB-ERCM	Influenza B External Run Control, Medium (6 x 1 mL)	25 to 28 Ct	RUO	Focus Simplexa™, Real-time PCR
NATFLUB-ST	Influenza B Virus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Influenza A/B				
NATFLUAB-6C	Influenza A/B Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®, Roche cobas® Liat®
NATFLUA/B-6MC	Influenza A/B Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®
NATFLUAB-6C-IVD	Influenza A/B Positive Control (6 x 0.5 mL)		CE IVD	Cepheid® GeneXpert®
Influenza/Respiratory Syncytial Virus				
NATCXVA9-6C	Influenza/RSV Negative Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®
NATCXVA9-6C-IVD	Influenza/RSV Negative Control (6 x 0.5 mL)		CE IVD	Cepheid® GeneXpert®
NATFLURSV-6L	Influenza/RSV Positive Control (6 x 0.25 mL)		RUO	Luminex® ARIES®
NATFLURSV-6C	Influenza/RSV Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®, Hologic® Panther Fusion®
NATFVP-NNS	Influenza/RSV Verification Panel (7 x 0.5 mL)		RUO	Abbott ID NOW™, Luminex® VERIGENE®, Roche cobas® Liat®
NATFRVP-C	Influenza/RSV Verification Panel (21 x 0.5 mL)		RUO	Cepheid® GeneXpert®
Influenza/Respiratory Syncytial Virus/SARS-Related Coronavirus 2				
NATCV9-6C	Influenza/RSV/SARS-CoV-2 Negative Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®, Roche cobas® Liat®
NATCV9-6C-IVD	Influenza/RSV/SARS-CoV-2 Negative Control (6 x 0.5 mL)		CE IVD	Cepheid® GeneXpert®, Roche cobas® Liat®
NATFRC-6C	Influenza/RSV/SARS-CoV-2 Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®, Roche cobas® Liat®
NATFRC-6C-IVD	Influenza/RSV/SARS-CoV-2 Positive Control (6 x 0.5 mL)		CE IVD	Cepheid® GeneXpert®, Roche cobas® Liat®
Middle East Respiratory Syndrome-Coronavirus (MERS-CoV)				
NATMERS-ST	MERS-CoV Stock (1 mL)	25 to 28 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATMR-BIO	MERS Recombinant Pack (2 x 0.2mL, 1 x 0.5 mL) - International Sales Only		RUO	BioFire® FilmArray®
NATCOV(MR)-BIO	MERS-Saccharomyces cerevisiae Recombinant External Run Control (1 x 0.6 mL) - International Sales Only		RUO	BioFire® FilmArray®
Parainfluenza				
NATPIV-ERC	Parainfluenza Control (6 x 0.5 mL)		RUO	Hologic® Panther Fusion®
NATPARA1-ST	Parainfluenza Virus Type 1 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATPARA2-ST	Parainfluenza Virus Type 2 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATPARA3-ST	Parainfluenza Virus Type 3 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATPARA4-ST	Parainfluenza Virus Type 4 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR

*RUO = Research Use Only; CE IVD = In Vitro Diagnostic with European CE mark, Notified Body code 2797

**ZeptoMetrix External Quality Controls and Verification Panels have demonstrated utility on multiple assays. Based upon product configuration, including fill volumes and concentrations of analytes, we can confidently recommend the optimal choice of controls and panels for the indicated platform.

Qualitative (continued)

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Pneumocystis jirovecii				
NATPJI-ERC	P. jirovecii Recombinant External Run Control (6 x 0.5 mL)	23 to 25 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
Pneumonia				
NATPPA-BIO	Pneumonia Panel - Atypical Bacteria & Viruses (12 x 0.2 mL, 2 x 1.2 mL)		RUO	BioFire® FilmArray®
NATPPQ-BIO	Pneumonia Panel - Quantifiable Bacteria (17 x 0.2 mL, 3 x 1.2 mL)		RUO	BioFire® FilmArray®
Respiratory Panels				
NATRSPC-BIO NEW	Respiratory Panel (RSP) Controls (12 x 0.3 mL)		RUO	BIOFIRE® SPOTFIRE®
NATRCP2.1-BIO	Respiratory Panel 2.1 (RP2.1) Controls (12 x 0.3 mL)		RUO	BioFire® FilmArray®
NATRPC-NNS	Respiratory Pathogen Control (12 x 0.25 mL)		RUO	Luminex® VERIGENE®
NATRPP-1	Respiratory Pathogen Panel 1 (6 x 0.25 mL)		RUO	Luminex® MAGPIX®
NATRVNNS	Respiratory Verification Panel (15 x 0.5 mL; 2 x 1 mL)		RUO	Luminex® VERIGENE®
NATRVN-GMK	Respiratory Verification Panel (20 x 0.2 mL)		RUO	GenMark® ePlex®
NATRSP-BIO NEW	Respiratory Verification Panel (23 x 0.6 mL; 5 x 1.8 mL)		RUO	BIOFIRE® SPOTFIRE®
NATRMP-BIO NEW	Respiratory Verification Panel Mini (6 x 0.6 mL; 2 x 1.8 mL)		RUO	BIOFIRE® SPOTFIRE®
NATRVN2-QIA	Respiratory Verification Panel 2 (21 x 0.25 mL)		RUO	QIAGEN® QIAstat-Dx®
NATRVN2.1-BIO	Respiratory Verification Panel 2.1 (24 x 0.6 mL)		RUO	BioFire® FilmArray®
Respiratory Syncytial Virus (RSV)				
NATRSV-6C	RSV Positive Control (6 x 0.5 mL)		RUO	Cepheid® GeneXpert®, Roche cobas® Liat®
NATRSV-6C-IVD	RSV Positive Control 6 x 0.5 mL)		CE IVD	Cepheid® GeneXpert®
NATRSVA-ST	RSV Type A Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATRSVB-ST	RSV Type B Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
SARS-Related Coronavirus 2 (SARS-CoV-2)				
NATSARS(COV2)-NEG-IVD NEW	SARS-CoV-2 Negative Control (6 x 0.5 mL)	50,000 cells/mL	CE IVD	Abbott ID NOW™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR
NATSARS(COV2)-NEG1-IVD NEW	SARS-CoV-2 Negative Control (6 x 1 mL)	50,000 cells/mL	CE IVD	Abbott ID NOW™, BD MAX™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR, Visby Medical™
NATSARS(COV2)-ERC-IVD NEW	SARS-CoV-2 Positive Control (6 x 0.5 mL)	39,700 to 62,900 copies/mL	CE IVD	Abbott ID NOW™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR
NATSARS(COV2)-ERC1-IVD NEW	SARS-CoV-2 Positive Control (6 x 1 mL)	39,700 to 62,900 copies/mL	CE IVD	Abbott ID NOW™, BD MAX™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR, Visby Medical™

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Web
www.h-h-c.com

Phone
+41 22 534 97 03

Email
incoming@h-h-c.com

Fax
+41 22 594 85 07

Address
Helvetica Health Care Sàrl – PO Box 1158 - CH – 1211 Geneva 5 AP - Switzerland

Quantitative

Part Number	Product Description	Target	Use*	Platform(s)**
Adenovirus				
NATADV1-STQ	Adenovirus Type 1 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATADV3-STQ	Adenovirus Type 3 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Influenza/Respiratory Syncytial Virus/SARS-Related Coronavirus 2				
NATFRC-ERC NEW	Influenza/RSV/SARS-CoV-2 External Run Control (6 x 0.5 mL)	15,000 copies/mL	RUO	Real-time PCR
Haemophilus influenzae				
NATHIN-STQ	H. influenzae Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Influenza A				
NATFLUAH1-STQ	Influenza A H1 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATFLUAH1(2009)-STQ	Influenza A H1N1pdm Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATFLUAH3-STQ	Influenza AH3 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Influenza B				
NATFLUB-STQ	Influenza B Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Klebsiella pneumoniae				
NATKPN-STQ	K. pneumoniae Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Mycoplasma pneumoniae				
NATMPN(M129)-ERCL	M. pneumoniae M129 External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATMPN(M129)-ERCM	M. pneumoniae M129 External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Real-time PCR
Respiratory Syncytial Virus (RSV)				
NATRSVA-STQ	RSV Type A Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATRSVB-STQ	RSV Type B Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
SARS-Related Coronavirus 2 (SARS-CoV-2)				
NATSARS(COV2)-ERC	SARS-CoV-2 External Run Control (6 x 0.5 mL)	50,000 copies/mL	RUO	Abbott ID NOW™, Applied Biosystems QuantStudio, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR
NATSARS(COV2)-ERC1	SARS-CoV-2 External Run Control (6 x 1 mL)	50,000 copies/mL	RUO	Abbott ID NOW™, Applied Biosystems QuantStudio, BD MAX™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR, Visby Medical™
NATSARS(COV2)-NEG	SARS-CoV-2 Negative Control (6 x 0.5 mL)	50,000 cells/mL	RUO	Abbott ID NOW™, Applied Biosystems QuantStudio, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR
NATSARS(COV2)-NEG1	SARS-CoV-2 Negative Control (6 x 1 mL)	50,000 cells/mL	RUO	Abbott ID NOW™, Applied Biosystems QuantStudio, BD MAX™, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, Luminex® ARIES®, QIAGEN® QIAstat-Dx®, Real-time PCR, Visby Medical™
NATSARS(COV2)-ST	SARS-CoV-2 Stock (1 mL)	1,000,000 copies/mL	RUO	Abbott ID NOW™, Applied Biosystems QuantStudio, BioFire® FilmArray®, Cepheid® GeneXpert®, GenMark® ePlex®, QIAGEN® QIAstat-Dx®, Real-time PCR
NATSARS(COV2)-UK-ST	SARS-CoV-2 Variant B.1.1.7 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATSARS(COV2)-SA-ST	SARS-CoV-2 Variant B.1.351 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATSARS(COV2)-VP	SARS-CoV-2 Variant Panel (4 x 0.5 mL)	50,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
SARS-Related Coronavirus 2 (SARS-CoV-2) Omicron				
NATCOV2(OMC)-ERC	SARS-CoV-2 Omicron External Run Control (6 x 0.5 mL)	50,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR

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