



ZeptoMetrix[®]
an amylia scientific company

NATtrol™ Molecular Products

ZeptoMetrix[®] NATtrol™ is the most trusted brand of third-party molecular diagnostic QC for infectious disease 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



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ZeptoMetrix[®]

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
NATADV1-STQ	Adenovirus Type 1 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATADV3-ST	Adenovirus Type 3 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV3-STQ	Adenovirus Type 3 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, 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
NATADV31-ST	Adenovirus Type 31 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV40-ST	Adenovirus Type 40 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV40-GP	Adenovirus Type 40 (Stool Matrix) (0.5 mL)		RUO	Real-time PCR
NATADV41-ST	Adenovirus Type 41 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATADV41-GP	Adenovirus Type 41 (Stool Matrix) (0.5 mL)		RUO	Real-time PCR
BK Virus (BKV)				
NATBK-ERCL	BKV External Run Control, Low (6 x 1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATBK-ERCM	BKV External Run Control, Medium (6 x 1 mL)	1,000,000 copies/mL	RUO	Focus Simplexa™, Real-time PCR
Campylobacter jejuni				
NATCJE-GP	C. jejuni (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
Chikungunya Virus				
NATCHIKV-ST	Chikungunya Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Chlamydia trachomatis (CT)				
NATCT(434)-ERCL	C. trachomatis LGV II 434, External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATCT(434)-ERCM	C. trachomatis LGV II 434, External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Real-time PCR
NATCT(D-UW3)-ERCL	C. trachomatis serotype D, External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATCT(D-UW3)-ERCM	C. trachomatis serotype D, External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Real-time PCR
Clostridium difficile				
NATCDI(NAP1)-ERCL	C. difficile NAP1 External Run Control, Low (6 x 1 mL)	31-24 Ct	RUO	Luminex® VERIGENE®
NATCDI-GP	C. difficile (Stool Matrix) (0.5 mL)		RUO	Real-time PCR
Coronavirus				
NATSARS-ST	Coronavirus SARS Stock (1 mL)	25 to 28 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
Coronavirus, Seasonal				
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
Coxsackievirus				
NATCXVA9-ST	Coxsackievirus Type A9 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATCXVB3-ST	Coxsackievirus Type B3 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATCXVB4-ST	Coxsackievirus Type B4 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATCXVB5-ST	Coxsackievirus Type B5 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Cytomegalovirus (CMV)				
NATCMV-STQ	CMV Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATCMV-0001	CMV Strain: AD-169 (1 mL)	400 copies/mL	RUO	Real-time PCR
NATCMV-0002	CMV Strain: AD-169 (1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATCMV-0003	CMV Strain: AD-169 (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATCMV-0004	CMV Strain: AD-169 (1 mL)	50,000 copies/mL	RUO	Real-time PCR
NATCMV-0005	CMV Strain: AD-169 (1 mL)	100,000 copies/mL	RUO	Real-time PCR
NATCMV-ERCL	CMV Strain: AD-169 External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Focus Simplexa™, Real-time PCR
NATCMV-ERCM	CMV Strain: AD-169 External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Focus Simplexa™, Real-time PCR
Echovirus				
NATECHO6-ST	Echovirus Type 6 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATECHO11-ST	Echovirus Type 11 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Entamoeba histolytica				
NATEHI(DS4)-GP	E. histolytica (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
Epstein-Barr Virus (EBV)				
NATEBV-STQ	EBV Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATEBV-0001	EBV Strain: B95-8 (1 mL)	100 copies/mL	RUO	Real-time PCR
NATEBV-0002	EBV Strain: B95-8 (1 mL)	500 copies/mL	RUO	Real-time PCR
NATEBV-0003	EBV Strain: B95-8 (1 mL)	1,000 copies/mL	RUO	Real-time PCR
NATEBV-0004	EBV Strain: B95-8 (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATEBV-0005	EBV Strain: B95-8 (1 mL)	50,000 copies/mL	RUO	Real-time PCR
NATEBV-0006	EBV Strain: B95-8 (1 mL)	100,000 copies/mL	RUO	Real-time PCR
NATEBV-ERCL	EBV Strain: B95-8 External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATEBV-ERCM	EBV Strain: B95-8 External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Real-time PCR
Escherichia coli				
NATECO(933)-GP	E. coli (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
NATECO(ETEC)-GP	E. coli (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
NATECO(933)-ERCL	E. coli 0157:H7 EDL933 External Run Control, Low (6 x 1 mL)	5,000 cfu/mL	RUO	Real-time PCR
NATECO(933)-ERCM	E. coli 0157:H7 EDL933 External Run Control, Medium (6 x 1 mL)	50,000 cfu/mL	RUO	Real-time PCR

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**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.

Part Number	Product Description	Target	Use*	Platform(s)**
Haemophilus influenzae				
NATHIN-STQ	H. influenzae Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Herpes Simplex Virus (HSV)				
NATHSV1-0001	HSV Type 1 Strain: MacIntyre (1 mL)	100 copies/mL	RUO	Real-time PCR
NATHSV1-0002	HSV Type 1 Strain: MacIntyre (1 mL)	500 copies/mL	RUO	Real-time PCR
NATHSV1-0003	HSV Type 1 Strain: MacIntyre (1 mL)	1,000 copies/mL	RUO	Real-time PCR
NATHSV1-0004	HSV Type 1 Strain: MacIntyre (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATHSV1-0005	HSV Type 1 Strain: MacIntyre (1 mL)	50,000 copies/mL	RUO	Real-time PCR
NATHSV2-0001	HSV Type 2 Strain: MS (1 mL)	100 copies/mL	RUO	Real-time PCR
NATHSV2-0002	HSV Type 2 Strain: MS (1 mL)	500 copies/mL	RUO	Real-time PCR
NATHSV2-0003	HSV Type 2 Strain: MS (1 mL)	1,000 copies/mL	RUO	Real-time PCR
NATHSV2-0004	HSV Type 2 Strain: MS (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATHSV2-0005	HSV Type 2 Strain: MS (1 mL)	50,000 copies/mL	RUO	Real-time PCR
Human Hepatitis B (HBV)				
NATHBV-0001	HBV (1 mL)	400 IU/mL	RUO	Real-time PCR
NATHBV-0002	HBV (1 mL)	5,000 IU/mL	RUO	Real-time PCR
NATHBV-0006	HBV (1 mL)	10,000 IU/mL	RUO	Real-time PCR
NATHBV-0003	HBV (1 mL)	50,000 IU/mL	RUO	Real-time PCR
Human Hepatitis C (HCV)				
NATHCV-0001	HCV (1 mL)	200 IU/mL	RUO	Real-time PCR
NATHCV-0002	HCV (1 mL)	1,000 IU/mL	RUO	Real-time PCR
NATHCV-0003	HCV (1 mL)	10,000 IU/mL	RUO	Real-time PCR
NATHCV-0004	HCV (1 mL)	50,000 IU/mL	RUO	Real-time PCR
NATHCV-0005	HCV (1 mL)	100,000 IU/mL	RUO	Real-time PCR
Human Herpes Virus (HHV)				
NATHHV6-STQ	HHV Type 6 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATHHV6-ST	HHV Type 6B Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATHHV7-ST	HHV Type 7 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATHHV8-ST	HHV Type 8 Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Human Immunodeficiency Virus (HIV)				
NATHIV1-ERCL	HIV Type 1 Strain: IIB External Run Control, Low (6 x 1 mL)	1,000 IU/mL	RUO	Real-time PCR
NATHIV1-ERCM	HIV Type 1 Strain: IIB External Run Control, Medium (6 x 1 mL)	50,000 IU/mL	RUO	Real-time PCR
Human Metapneumovirus (HMPV)				
NATHMPV-ST	HMPV Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Human Rhinovirus (HRV)				
NATHRV-STN	HRV Type 1A Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Human T-Lymphotropic Virus (HTLV)				
NATHTLVI-ST	HTLV Type I Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATHTLVII-ST	HTLV Type II Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
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-STQ	Influenza A H1 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, 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
NATFLUAH1(2009)-STQ	Influenza A H1N1pdm Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATFLUAH3-STQ	Influenza A H3 Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
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-STQ	Influenza B Stock (1 mL)	22 to 25 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATFLUB-ST	Influenza B Virus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Klebsiella pneumoniae				
NATKPN-STQ	K. pneumoniae Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Methicillin-resistant Staphylococcus aureus (MRSA)				
NATSAU(MRSA)-ERCL	S. aureus (MRSA) External Run Control, Low (6 x 1 mL)	5,000 cfu/mL	RUO	BD MAX™, Real-time PCR
NATSAU(MRSA)-ERCM	S. aureus (MRSA) External Run Control, Medium (6 x 1 mL)	50,000 cfu/mL	RUO	BD MAX™, Real-time PCR
NATSAU-STQ	S. aureus (MRSA) Stock (1 mL)	1,000,000 copies/mL	RUO	Real-time PCR
Methicillin-susceptible Staphylococcus aureus (MSSA)				
NATSAU(MSSA)-ERCL	S. aureus (MSSA); -mecA External Run Control, Low (6 x 1 mL)	5,000 cfu/mL	RUO	BD MAX™, Real-time PCR
NATSAU(MSSA)-ERCM	S. aureus (MSSA); -mecA External Run Control, Medium (6 x 1 mL)	50,000 cfu/mL	RUO	BD MAX™, Real-time PCR
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
Moraxella catarrhalis				
NATMCA-STQ	M. catarrhalis Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR

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Mouse Hepatitis Virus (MHV)				
NATMHV-ST	MHV Stock (1 mL)	22 to 25 Ct	RUO	Applied Biosystems QuantStudio, Real-time PCR
Mpox Virus				
NATMPXV-ERC	Mpox External Run Control (6 x 0.5 mL)	15,000 copies/mL	RUO	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
Neisseria gonorrhoeae (NG)				
NATNG-ERCL	N. gonorrhoeae Z017 External Run Control, Low (6 x 1 mL)	5,000 copies/mL	RUO	Real-time PCR
NATNG-ERCM	N. gonorrhoeae Z017 External Run Control, Medium (6 x 1 mL)	50,000 copies/mL	RUO	Real-time PCR
Norovirus				
NATNOVI-GP	Norovirus Group I (Recombinant) (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
NATNOVI-ST	Norovirus Group I (Recombinant) Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATNOVII-GP	Norovirus Group II (Recombinant) (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
NATNOVII-ST	Norovirus Group II (Recombinant) Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Parainfluenza				
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
Respiratory Syncytial Virus (RSV)				
NATRSVA-ST	RSV Type A Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATRSVA-STQ	RSV Type A Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATRSVB-ST	RSV Type B Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATRSVB-STQ	RSV Type B Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Rotavirus				
NATROTA-GP	Rotavirus (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
NATROTA-ST	Rotavirus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
Salmonella typhimurium				
NATSTY-GP	S. typhimurium (Stool Matrix) (0.5 mL)		RUO	Luminex® MAGPIX®
SARS-Related Coronavirus 2 (SARS-CoV-2)				
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
Shigella sonnei				
NATSSO-GP	S. sonnei (Stool Matrix) (0.5 mL)		RUO	Real-time PCR
Streptococcus pneumoniae				
NATSPN-STQ	S. pneumoniae Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
Varicella Zoster Virus (VZV)				
NATVZV-STQ	VZV Stock (1 mL)	1,000,000 copies/mL	RUO	Applied Biosystems QuantStudio, Real-time PCR
NATVZV-0001	VZV Strain: Ellen (1 mL)	100 copies/mL	RUO	Real-time PCR
NATVZV-0002	VZV Strain: Ellen (1 mL)	500 copies/mL	RUO	Real-time PCR
NATVZV-0003	VZV Strain: Ellen (1 mL)	1,000 copies/mL	RUO	Real-time PCR
NATVZV-0004	VZV Strain: Ellen (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATVZV-0005	VZV Strain: Ellen (1 mL)	50,000 copies/mL	RUO	Real-time PCR
West Nile Virus (WNV)				
NATWNV-0001	WNV Strain: NY 2001-6263 (1 mL)	100 copies/mL	RUO	Real-time PCR
NATWNV-0002	WNV Strain: NY 2001-6263 (1 mL)	500 copies/mL	RUO	Real-time PCR
NATWNV-0003	WNV Strain: NY 2001-6263 (1 mL)	1,000 copies/mL	RUO	Real-time PCR
NATWNV-0004	WNV Strain: NY 2001-6263 (1 mL)	10,000 copies/mL	RUO	Real-time PCR
NATWNV-0005	WNV Strain: NY 2001-6263 (1 mL)	50,000 copies/mL	RUO	Real-time PCR
Zika Virus				
NATZIKV(PRV)-ERCL	Zika Virus (PRVABC59) External Run Control, Low (6 x 1 mL)	28 to 31 Ct	RUO	Real-time PCR
NATZIKV(PRV)-ERCM	Zika Virus (PRVABC59) External Run Control, Medium (6 x 1 mL)	25 to 28 Ct	RUO	Real-time PCR
NATZIKV(PRV)-ST	Zika Virus (PRVABC59) Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR
NATZIKV-ERCL	Zika Virus External Run Control, Low (6 x 1 mL)	28 to 31 Ct	RUO	Real-time PCR
NATZIKV-ERCM	Zika Virus External Run Control, Medium (6 x 1 mL)	25 to 28 Ct	RUO	Real-time PCR
NATZIKV-ST	Zika Virus Stock (1 mL)	22 to 25 Ct	RUO	Real-time PCR

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