

# NATtrol™ Molecular Products by Platform

## Molecular Controls & Panels for Infectious Disease Testing

Millions of people are tested for infectious diseases annually. Accurate and sensitive diagnostics are necessary to confirm that laboratories are providing patients with proper results as the implications of reporting either a false positive or a false negative can be devastating to the patient. Using external run controls and verification panels on a consistent basis helps to maximize additional confidence in your test results.

The routine and repetitive use of ZeptoMetrix® NATtrol™ External Run Controls and Verification Panels enables laboratories to monitor daily test variation, lot-to-lot test kit performance, individual operator performance and provides assistance identifying trends in laboratory results.

ZeptoMetrix NATtrol controls and panels have demonstrated performance on several key instrument platforms for manufacturers including Abbott, Applied BioCode, BD, BioFire, Cepheid, Focus, GenMark, Hologic, Luminex, QIAGEN, Quidel, Roche, and Visby Medical.

### Non-Infectious

- Inactivation is verified in validated growth protocol

### Purified, Intact Microorganism

- Contains the entire microorganism genome not synthetic sequences of RNA/DNA
- Matrix mimics a true clinical specimen

### Full Process Controls

- Controls for all processes involved with the extraction and amplification of the microorganism

### Refrigerator Stable

- Ready-to-use liquid format
- Multiple re-use capabilities
- Shipment on gel packs/reduced shipping costs

### 1–2 Year Stability

- Superior shelf life

### Calibration

- Traceable to WHO International Standards (if available)

### Broad Patent Coverage

- Protected technology

### Developer Preferred

- Works across all assay platforms
- Process is viable for viruses, bacteria, fungi, parasites and bacteriophages

## Abbott ID NOW™ Platform

Part Number	Product Description	Use*
NATFVP-NNS	Flu Verification Panel (7 x 0.5 mL)	
KZMC021	Influenza Rapid Test Validation Panel (20 x 0.5 mL)	RUO
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO

## Applied BioCode MDx 3000 Platform

Part Number	Product Description	Use*
NATGIP-ABC	GI Panel (17 x 0.25mL; 2 x 0.85 mL)	RUO

## BD Max™ Platform

Part Number	Product Description	Use*
NATBVNEG-BD		
NATBVPOS-BD		RUO
NATCDI(NAPI)-ERCM		RUO
NATCSO-6MC	BV Negative Control (6 x 0.15 mL)	RUO
NATCDI-6MC	BV Positive Control (6 x 0.15 mL)	RUO
NATCTVPOS-BD	Clostridium difficile NAPI, External Run Control, Medium (6 x 1.0 mL)	RUO
NATEPC-NNS	Clostridium difficile Negative Control (6 x 0.5 mL)	RUO
NATLAC-6MC	Clostridium difficile Positive Control (6 x 0.5 mL)	RUO
NATSAG-6MC	Candida/TV Positive Control (6 x 0.15 mL)	RUO
NATSARS(COV2)-ERC1	EP Control (12 x 0.25 mL; 2 x 1.0 mL)	RUO
NATSARS(COV2)-NEG1	GBS Negative Control (6 x 0.5 mL)	RUO
NATSAU(MRSA)-ERCL	GBS Positive Control (6 x 0.5 mL)	RUO
NATSAU(MRSA)-ERCM	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 1.0 mL)	RUO
NATSAU(MSSA)-ERCL	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 1.0 mL)	RUO
NATSAU(MSSA)-ERCM	Staphylococcus aureus (MRSA) External Run Control, Low (6 x 1.0 mL)	RUO
NATVP-BD	Staphylococcus aureus (MRSA) External Run Control, Medium (6 x 1.0 mL)	RUO
	Staphylococcus aureus (MSSA); -mecA External Run Control, Low (6 x 1.0 mL)	RUO
	Staphylococcus aureus (MSSA); -mecA External Run Control, Medium (6 x 1.0 mL)	RUO
	Vaginal Panel (24 x 0.5 mL)	

## BD ProbeTec™ Platform

Part Number	Product Description	Use*
NATCT(434)-ERCM	Chlamydia trachomatis LGV II 434, External Run Control, Medium (6 x 1.0 mL)	RUO
NATCT(434)-6MC-IVD	Chlamydia trachomatis Positive Control (6 x 1.25 mL)	IVD/CE
NATCT(D-UW3)-ERCM	Chlamydia trachomatis serotype D, External Run Control, Medium (6 x 1.0 mL)	RUO
NATNG-ERCM	Neisseria gonorrhoeae Z017, External Run Control, Medium (6 x 1.0 mL)	RUO
NATNG-6MC-IVD	Neisseria gonorrhoeae Positive Control (6 x 1.25 mL)	IVD/CE
NATCT/NGNEG-6MC-IVD	CT/NG Negative Control (6 x 1.25 mL)	IVD/CE

## BioFire® FilmArray® Platform

Part Number	Product Description	Use*
NATBCP-BIO	BCID Panel (23 x 0.2 mL)	RUO
NATBCP2-BIO	BCID2 Panel (35 x 0.2 mL)	RUO
NATGIC-BIO	GI Controls (12 x 0.2 mL)	RUO
NATGIP-BIO	GI Panel (22 x 0.25 mL; 4 x 0.85 mL)	RUO
NATMEC-BIO	Meningitis/Encephalitis (ME) Controls (12 x 0.2 mL)	RUO
NATMEP-BIO	Meningitis/Encephalitis (ME) Panel (14 x 0.4 mL)	RUO
NATPPA-BIO	Pneumonia Panel; Atypical Bacteria and Viruses (12 x 0.2 mL; 2 x 1.2 mL)	RUO
NATPPQ-BIO	Pneumonia Panel; Quantifiable Bacteria (17 x 0.2 mL; 3 x 1.2 mL)	RUO
NATRPC2.1-BIO	Respiratory Panel 2.1 (RP2.1) Controls (12 x 0.3 mL)	RUO
NATRVP2.1-BIO	Respiratory Verification Panel 2.1 (24 x 0.6 mL)	RUO
NATRVP-IDI	Respiratory Verification Panel (RVP) (20 x 0.6 mL)	RUO
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO

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# Cepheid® GeneXpert® Platform

Part Number	Product Description	Use*
NATCRVP-C	Carba-R Verification Panel (10 x 0.06 mL)	RUO
NATCT(434)-6MC	Chlamydia trachomatis Positive Control (6 x 1.0 mL)	IVD
NATCT(434)-6MC-IVD	Chlamydia trachomatis Positive Control (6 x 1.25 mL)	IVD/CE
NATCSO-6MC	Clostridium difficile Negative Control (6 x 0.5 mL)	RUO
NATCSO-6MC-IVD	Clostridium difficile Negative Control (6 x 0.5 mL)	IVD/CE
NATCDI-6MC	Clostridium difficile Positive Control (6 x 0.5 mL)	RUO
NATCDI-6MC-IVD	Clostridium difficile Positive Control (6 x 0.5 mL)	IVD/CE
NATCDIVP-C	Clostridium difficile Verification Panel (6 x 1.0 mL)	RUO
NATCT/NGNEG-6MC	CT/NG Negative Control (6 x 1.0 mL)	IVD
NATCT/NGNEG-6MC-IVD	CT/NG Negative Control (6 x 1.25 mL)	IVD/CE
NATCT/NGP-C	CT/NG Verification Panel (17 x 1.2 mL)	RUO
NATEVNEG-6MC	Enterovirus Negative Control (6 x 0.2 mL)	RUO
NATEVNEG-6MC-IVD	Enterovirus Negative Control (6 x 0.5 mL)	IVD/CE
NATEVPOS-6MC	Enterovirus Positive Control (6 x 0.2 mL)	RUO
NATEVPOS-6MC-IVD	Enterovirus Positive Control (6 x 0.5 mL)	IVD/CE
NATEVP-C	Enterovirus Verification Panel (20 x 0.2 mL)	RUO
NATCV9-6C	Flu/RSV/SARS-CoV-2 Negative Control (6 x 0.5 mL)	RUO
NATFRC-6C	Flu/RSV/SARS-CoV-2 Positive Control (6 x 0.5 mL)	RUO
NATSDG-6MC	Group A Strep Negative Control (6 x 0.5 mL)	RUO
NATSPY-6MC	Group A Strep Positive Control (6 x 0.5 mL)	RUO
NATSAVPI-C	Group A Strep Verification Panel (24 x 0.1 mL)	RUO
NATLAC-6MC	Group B Strep Negative Control (6 x 0.5 mL)	RUO
NATLAC-6MC-IVD	Group B Strep Negative Control (6 x 0.5 mL)	IVD/CE
NATSAG-6MC	Group B Strep Positive Control (6 x 0.5 mL)	RUO
NATSAG-6MC-IVD	Group B Strep Positive Control (6 x 0.5 mL)	IVD/CE
NATFLUAHINI-6MC	Influenza A H1N1 Positive Control (6 x 0.5 mL)	RUO
NATFLUA/B-6MC	Influenza A/B Positive Control (6 x 0.5 mL)	RUO
NATFLUAB-6C	Influenza A/B Positive Control (6 x 0.5 mL)	RUO
NATFLUAB-6C-IVD	Influenza A/B Positive Control (6 x 0.5 mL)	IVD/CE
NATCXVA9-6MC	Influenza Negative Control (6 x 0.5 mL)	RUO
NATCXVA9-6MC-IVD	Influenza Negative Control (6 x 0.5 mL)	IVD/CE
NATFVP(XP)-C	Influenza Verification Panel (18 x 0.5 mL)	RUO
NATCXVA9-6C	Influenza/RSV Negative Control (6 x 0.5 mL)	RUO
NATCXVA9-6C-IVD	Influenza/RSV Negative Control (6 x 0.5 mL)	IVD/CE
NATFLURSV-6C	Influenza/RSV Positive Control (6 x 0.5 mL)	RUO
NATFRVP-C	Influenza/RSV Verification Panel (21 x 0.5 mL)	RUO
NATMRSA-6MC	MRSA Positive Control (6 x 0.5 mL)	RUO
NATMRSA-6MC-IVD	MRSA Positive Control (6 x 0.5 mL)	IVD/CE
NATMRSAP-C	MRSA Verification Panel (4 x 0.5 mL)	RUO
NATMRSANP-C	MRSA Verification Panel (6 x 0.5 mL)	RUO
NATMSSE-6MC	MRSA/SA Negative Control (6 x 0.5 mL)	RUO
NATMSSE-6MC-IVD	MRSA/SA Negative Control (6 x 0.5 mL)	IVD/CE
NATMRSAP/SAP-C	MRSA/SA Verification Panel (5 x 0.5 mL)	RUO
NATMTBP-C	MTB Verification Panel (5 x 0.6 mL, 6 x 1.6 mL)	RUO
NATNG-6MC	Neisseria gonorrhoeae Positive Control (6 x 1.0 mL)	IVD
NATNG-6MC-IVD	Neisseria gonorrhoeae Positive Control (6 x 1.25 mL)	IVD/CE
NATNOVI-6MC	Norovirus GI Positive Control (6 x 0.125 mL)	RUO
NATNOVI-6MC-IVD	Norovirus GI Positive Control (6 x 0.5 mL)	IVD/CE
NATNOV-6MC	Norovirus GI/GII Positive Control (6 x 0.125 mL)	RUO
NATNOV-6MC-IVD	Norovirus GI/GII Positive Control (6 x 0.5 mL)	IVD/CE
NATNOVII-6MC	Norovirus GII Positive Control (6 x 0.125 mL)	RUO
NATNOVII-6MC-IVD	Norovirus GII Positive Control (6 x 0.5 mL)	IVD/CE
NATROTA-6MC	Norovirus Negative Control (6 x 0.125 mL)	RUO
NATROTA-6MC-IVD	Norovirus Negative Control (6 x 0.5 mL)	IVD/CE
NATRSV-6C	RSV Positive Control (6 x 0.5 mL)	RUO
NATRSV-6C-IVD	RSV Positive Control (6 x 0.5 mL)	IVD/CE
NATMSSA-6MC	SA Positive Control (6 x 0.5 mL)	RUO
NATMSSA-6MC-IVD	SA Positive Control (6 x 0.5 mL)	IVD/CE
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO
NATTVNEG-6MC	Trichomonas vaginalis Negative Control (6 x 1.2 mL)	RUO
NATTVPOS-6MC	Trichomonas vaginalis Positive Control (6 x 1.2 mL)	RUO
NATTVGP-C	Trichomonas vaginalis Verification Panel (17 x 0.7 mL)	RUO

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## Focus Simplexa™ Platform

Part Number	Product Description	Use*
NATBK-ERCM	BK Virus External Run Control, Medium (6 x 1.0 mL)	RUO
NATBRD-6L	Bordetella pertussis/parapertussis Positive Control (6 x 0.25 mL)	RUO
NATCMV-ERCL	Cytomegalovirus (CMV) Strain: AD-169 External Run Control, Low (6 x 1.0 mL)	RUO
NATCMV-ERCM	Cytomegalovirus (CMV) Strain: AD-169 External Run Control, Medium (6 x 1.0 mL)	RUO
NATCMV-LIN	Cytomegalovirus (CMV) Strain: AD-169 Linearity Panel (6 x 0.25 mL)	RUO
NATFLUAHI-ERCL	Influenza A H1, External Run Control, Low (6 x 1.0 mL)	RUO
NATFLUAHI-ERCM	Influenza A H1, External Run Control, Medium (6 x 1.0 mL)	RUO
NATFLUAHINI-ERCL	Influenza A H1N1, External Run Control, Low (6 x 1.0 mL)	RUO
NATFLUAHINI-ERCM	Influenza A H1N1, External Run Control, Medium (6 x 1.0 mL)	RUO
NATFLUB-ERCL	Influenza B, External Run Control, Low (6 x 1.0 mL)	RUO
NATFLUB-ERCM	Influenza B, External Run Control, Medium (6 x 1 mL)	RUO

## GenMark® ePlex® Platform

Part Number	Product Description	Use*
NATRVP-GMK	Respiratory Verification Panel (20 x 0.2 mL)	RUO
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO

## Hologic® Panther Fusion® Platform

Part Number	Product Description	Use*
NATAMR-ERC	AdV/hMPV/HRV Control (6 x 0.5 mL)	RUO
NATCT(434)-6MC-IVD	Chlamydia trachomatis Positive Control (6 x 1.25 mL)	IVD/CE
NATCT/NGNEG-6MC-IVD	CT/NG Negative Control (6 x 1.25 mL)	IVD/CE
NATFLURSV-6C	Influenza/RSV Positive Control (6 x 0.5 mL)	RUO
NATMGN-ERC	Mycoplasma genitalium External Run Control (6 x 0.25 mL)	RUO
NATPIV-ERC	Parainfluenza Control (6 x 0.5 mL)	RUO

## Luminex® ARIES® Platform

Part Number	Product Description	Use*
NATBRD-6L	Bordetella pertussis/parapertussis Positive Control (6 x 0.25 mL)	RUO
NATCDI-6L	Clostridium difficile Positive Control (6 x 0.25 mL)	RUO
NATSPY-6L	GAS Positive Control (6 x 0.25 mL)	RUO
NATSAG-6L	GBS Positive Control (6 x 0.25 mL)	RUO
NATHSV-6L	HSV 1 & 2 Positive Control (6 x 0.25 mL)	RUO
NATFLURSV-6L	Influenza/RSV Positive Control (6 x 0.25 mL)	RUO
NATMRSA-6L	MRSA Positive Control (6 x 0.35 mL)	RUO
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO

## Luminex® MAGPIX® Platform

Part Number	Product Description	Use*
NATADV40-GP	Adenovirus Type 40 (Stool Matrix) (0.5 mL)	RUO
NATADV41-GP	Adenovirus Type 41 (Stool Matrix) (0.5 mL)	RUO
NATCJE-GP	Campylobacter jejuni (Stool Matrix) (0.5 mL)	RUO
NATCDI-GP	Clostridium difficile (Stool Matrix) (0.5 mL)	RUO
NATEHI(DS4)-GP	Entamoeba histolytica (Stool Matrix) (0.5 mL)	RUO
NATECO(933)-GP	Escherichia coli (Stool Matrix) (0.5 mL)	RUO
NATECO(ETEC)-GP	Escherichia coli (Stool Matrix) (0.5 mL)	RUO
NATNOVI-GP	Norovirus Group I (Recombinant) (Stool Matrix) (0.5 mL) Norovirus	RUO
NATNOVII-GP	Group II (Recombinant) (Stool Matrix) (0.5 mL) Respiratory Pathogen	RUO
NATRPP-1	Panel-1 (6 x 0.25 mL)	RUO
NATROTA-GP	Rotavirus (Stool Matrix) (0.5 mL)	RUO
NATSTY-GP	Salmonella typhimurium (Stool Matrix) (0.5 mL)	RUO
NATSSO-GP	Shigella sonnei (Stool Matrix) (0.5 mL)	RUO

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## Luminex® VERIGENE® Platform

Part Number	Product Description	Use*
NATBC/GP-NNS	BC/GP Panel (Nanosphere) (10 x 0.75 mL)	RUO
NATBCGN-NNS	BC/GN Panel (Nanosphere) (12 x 0.75 mL)	RUO
NATCDI(NAP1)-ERCL	Clostridium difficile NAP1, External Run Control, Low (6 x 1.0 mL) Clostridium	RUO
NATCDI(NAP1)-ERCM	difficile NAP1, External Run Control, Medium (6 x 1.0 mL) EP Control (12 x 0.25	RUO
NATEPC-NNS	mL; 2 x 1.0 mL)	RUO
NATFVP-NNS	Flu Verification Panel (7 x 0.5 mL)	RUO
NATRPC-NNS	RP Controls (12 x 0.25 mL)	RUO
NATRVP-NNS	Respiratory Verification Panel (15 x 0.5 mL; 2 x 1.0 mL)	RUO
NATSPN-NNS	Streptococcus pneumoniae (1 x 0.75 mL)	RUO

## QIAGEN® QIAstat-Dx® Platform

Part Number	Product Description	Use*
NATGIP-QIA	GI Verification Panel (23 x 0.25 mL; 4 x 1.0 mL)	RUO
NATRVP2-QIA	Respiratory Verification Panel 2 (21 x 0.25 mL)	RUO
NATSARS(COV2)-ERC	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 0.5 mL)	RUO
NATSARS(COV2)-NEG	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 0.5 mL)	RUO

## Quidel® Sofia® Platform

Part Number	Product Description	Use*
KZMC021	Influenza Rapid Test Validation Panel (20 x 0.5 mL)	RUO

## Roche cobas® Liat® Platform

Part Number	Product Description	Use*
NATCV9-6C	Flu/RSV/SARS-CoV-2 Negative (6 x 0.5 mL)	RUO
NATFRC-6C	Flu/RSV/SARS-CoV-2 Positive Control (6 x 0.5 mL)	RUO
NATFVP-NNS	Flu Verification Panel (7 x 0.5 mL)	RUO
NATFLUAB-6C	Influenza A/B Positive Control (6 x 0.5 mL)	RUO
NATFLUAB-6C-IVD	Influenza A/B Positive Control (6 x 0.5 mL)	IVD/CE
NATRSV-6C	RSV Positive Control (6 x 0.5 mL)	RUO
NATRSV-6C-IVD	RSV Positive Control (6 x 0.5 mL)	IVD/CE

## Visby Medical™ Platform

Part Number	Product Description	Use*
NATCTNGTV-POS	CT/NG/TV Positive Control (6 x 1.0 mL)	RUO
NATCTNGTV-NEG	CT/NG/TV Negative Control (6 x 1.0 mL)	RUO
NATSARS(COV2)-ERC1	SARS-Related Coronavirus 2 (SARS-CoV-2) External Run Control (6 x 1.0 mL)	RUO
NATSARS(COV2)-NEG1	SARS-Related Coronavirus 2 (SARS-CoV-2) Negative Control (6 x 1.0 mL)	RUO

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Contact **Sep Sci** for more information.

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