

# NATtrol™ Quantitative Molecular Products



**ZeptoMetrix quantitative controls are ready-to-use, inactivated full-process controls designed to evaluate performance of molecular tests. ZeptoMetrix provides developers and laboratories with safe-to-use, external quality controls/panels for assay development and/or research and analytical studies.**

**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)
- Monitor extraction and amplification steps with full process control
- Train and monitor laboratory personnel
- Evaluate lot-to-lot consistency of test kits and assay reagents

## **Gentaur Molecular Products**

Voortstraat 49  
Kamphenhout 1910  
Belgium

02 265 09 20  
[info@gentaur.com](mailto:info@gentaur.com)



# Gentaur

## Quantitative Stocks

| Part Number                                    | Product Description                     | Target               | Use* | Platforms**                                   |
|------------------------------------------------|-----------------------------------------|----------------------|------|-----------------------------------------------|
| <b>Adenovirus</b>                              |                                         |                      |      |                                               |
| 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 |
| <b>Cytomegalovirus (CMV)</b>                   |                                         |                      |      |                                               |
| NATCMV-STQ                                     | CMV Stock (1 mL)                        | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Epstein-Barr Virus (EBV)</b>                |                                         |                      |      |                                               |
| NATEBV-STQ                                     | EBV Stock (1 mL)                        | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Haemophilus influenzae</b>                  |                                         |                      |      |                                               |
| NATHIN-STQ                                     | H. influenzae Stock (1 mL)              | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Human Herpes Virus (HHV)</b>                |                                         |                      |      |                                               |
| NATHHV6-STQ                                    | HHV Type 6 Stock (1 mL)                 | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Influenza A</b>                             |                                         |                      |      |                                               |
| 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 A H3 Stock (1 mL)             | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Influenza B</b>                             |                                         |                      |      |                                               |
| NATFLUB-STQ                                    | Influenza B Stock (1 mL)                | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Klebsiella pneumoniae</b>                   |                                         |                      |      |                                               |
| NATKPN-STQ                                     | K. pneumoniae Stock (1 mL)              | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Moraxella catarrhalis</b>                   |                                         |                      |      |                                               |
| NATMCA-STQ                                     | M. catarrhalis Stock (1 mL)             | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>MS2 Bacteriophage</b>                       |                                         |                      |      |                                               |
| NATMS2-STQ <b>NEW</b>                          | MS2 Bacteriophage Stock (1 mL)          | 10,000,000 copies/mL | RUO  | Real-time PCR                                 |
| <b>Respiratory Syncytial Virus (RSV)</b>       |                                         |                      |      |                                               |
| 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 |
| <b>SARS-Related Coronavirus 2 (SARS-CoV-2)</b> |                                         |                      |      |                                               |
| NATSARS(COV2)-ST                               | SARS-CoV-2 Stock (1 mL)                 | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, 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 |
| <b>Staphylococcus aureus</b>                   |                                         |                      |      |                                               |
| NATSAU-STQ                                     | S. aureus (MRSA) Stock (1 mL)           | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Streptococcus pneumoniae</b>                |                                         |                      |      |                                               |
| NATSPN-STQ                                     | S. pneumoniae Stock (1 mL)              | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |
| <b>Varicella Zoster Virus (VZV)</b>            |                                         |                      |      |                                               |
| NATVZV-STQ                                     | VZV Stock (1 mL)                        | 1,000,000 copies/mL  | RUO  | Applied Biosystems QuantStudio, Real-time PCR |

## Quantitative Panels

| Part Number                                    | Product Description                   | Target           | Use* | Platforms**                                   |
|------------------------------------------------|---------------------------------------|------------------|------|-----------------------------------------------|
| <b>SARS-Related Coronavirus 2 (SARS-CoV-2)</b> |                                       |                  |      |                                               |
| NATSARS(COV2)-VP                               | SARS-CoV-2 Variant Panel (4 x 0.5 mL) | 50,000 copies/mL | RUO  | Applied Biosystems QuantStudio, Real-time PCR |

## Linearity Controls & Panels

| Part Number                  | Product Description                              | Target                                                            | Use* | Platforms**                                |
|------------------------------|--------------------------------------------------|-------------------------------------------------------------------|------|--------------------------------------------|
| <b>BK Virus (BKV)</b>        |                                                  |                                                                   |      |                                            |
| NATBK-LIN                    | BKV Linearity Panel (6 x 0.25 mL)                | 10,000; 100,000; 1,000,000; 10,000,000; and 100,000,000 copies/mL | RUO  | Real-time PCR                              |
| <b>Cytomegalovirus (CMV)</b> |                                                  |                                                                   |      |                                            |
| 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-LIN                   | CMV Strain: AD-169 Linearity Panel (6 x 0.25 mL) | 500; 5,000; 50,000; 500,000; and 5,000,000 copies/mL              | RUO  | Focus Simplex <sup>™</sup> , Real-time PCR |

\*RUO = Research Use Only; IVD = In Vitro Diagnostic; CE IVD = In Vitro Diagnostic with European CE mark

\*\*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.

## Linearity Controls &amp; Panels (continued)

| Part Number                               | Product Description                                  | Target                                               | Use* | Platforms**   |
|-------------------------------------------|------------------------------------------------------|------------------------------------------------------|------|---------------|
| <b>Epstein-Barr Virus (EBV)</b>           |                                                      |                                                      |      |               |
| 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-LIN                                | EBV Strain: B95-8 Linearity Panel (6 x 0.5 mL)       | 500; 5,000; 50,000; 500,000; and 5,000,000 copies/mL | RUO  | Real-time PCR |
| <b>Herpes Simplex Virus (HSV)</b>         |                                                      |                                                      |      |               |
| 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 |
| <b>Human Hepatitis B Virus (HBV)</b>      |                                                      |                                                      |      |               |
| 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 |
| <b>Human Hepatitis C Virus (HCV)</b>      |                                                      |                                                      |      |               |
| 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 |
| <b>Human Immunodeficiency Virus (HIV)</b> |                                                      |                                                      |      |               |
| NATHIV1-LIN                               | HIV Type 1 Strain: IIB Linearity Panel (6 x 0.25 mL) | 400; 1,000; 10,000; 100,000; and 1,000,000 UI/mL     | RUO  | Real-time PCR |
| <b>Human Parvovirus</b>                   |                                                      |                                                      |      |               |
| NATPARVO-0001                             | Human Parvovirus B19 (1 mL)                          | 10,000 IU/mL                                         | RUO  | Real-time PCR |
| NATPARVO-0002                             | Human Parvovirus B19 (1 mL)                          | 100,000 IU/mL                                        | RUO  | Real-time PCR |
| NATPARVO-0003                             | Human Parvovirus B19 (1 mL)                          | 1,000,000 IU/mL                                      | RUO  | Real-time PCR |
| NATPARVO-0004                             | Human Parvovirus B19 (1 mL)                          | 10,000,000 IU/mL                                     | RUO  | Real-time PCR |
| NATPARVO-0005                             | Human Parvovirus B19 (1 mL)                          | 100,000,000 IU/mL                                    | RUO  | Real-time PCR |
| <b>Varicella Zoster Virus (VZV)</b>       |                                                      |                                                      |      |               |
| 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 |
| <b>West Nile Virus (WNV)</b>              |                                                      |                                                      |      |               |
| 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 |

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