Available and Compatible Controls for Quantifying SARS-CoV-2 in Wastewater with IDEXX Test Kits
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<table>
<thead>
<tr>
<th>Control</th>
<th>Purpose</th>
<th>Validated and Provided Materials</th>
<th>Validated Materials</th>
<th>Instructions for Use</th>
</tr>
</thead>
</table>
| **PCR Positive Control**     | Demonstrate valid PCR reagent performance                               | Positive Control (PC)  
(included in 99-0015314)                                                                          | –                   | Water SARS-CoV-2 RT-PCR Test product insert               |
| **PCR Negative Control**     | Detect nucleic acid template contamination in reagents or materials     | PCR Grade Water  
(included in 99-0015314)                                                                          | –                   | Water SARS-CoV-2 RT-PCR Test product insert               |
| **Extraction Positive Control** | Demonstrate valid extraction reagent performance, i.e. recovery of RNA from an enveloped viral particle | Seracare AccuPlex™ SARS-CoV-2 Verification Panel  
(Material Number: 0505-0168)                          | –                   | Water DNA/RNA Magnetic Bead Kit product insert          |
| **Extraction Negative Control** | Detect nucleic acid template contamination in extraction reagents or materials (discriminate from PCR reagents and materials) | PCR Grade Water                                             | –                   | Water DNA/RNA Magnetic Bead Kit product insert          |
| **Internal Control**         | For each sample tested:  
1. Demonstrate valid extraction and PCR reactions  
2. Indicate potential for PCR inhibition | Internal Control (IC)  
(included in 99-0015314)                                                                          | –                   | IDEXX Water Internal Control product insert            |
| **Quantitative Reference Material** | Provide standard curve for quantification of SARS-CoV-2 RNA | –                                              | ATCC Quantitative Synthetic SARS-CoV-2 RNA  
(Material Number: VR-3276SD)                              | Water SARS-CoV-2 RT-PCR Test product insert               |
| **Matrix Recovery Control**  | Evaluate viral recovery during sample processing/ concentration         | –                                                                  | BRSV vaccine product RT-qPCR primers and probe for detecting BRSV* | Contact IDEXX Technical Support for Procedure          |
| **Human Fecal Control**      | Measure the relative amount of human feces in a sample                  | –                                                                  | RT-qPCR primers and probe for detecting PMMoV or crAssphage* | Contact IDEXX Technical Support for Procedure          |

*Contact IDEXX Technical Support for ordering information. Validated primer and probe designs for detection of each target are provided in the relevant procedure. Information on multiplexing the matrix recovery control (BRSV) and Human Fecal Control (PMMoV or crAssphage) reactions is available.

Additional materials not listed in the table above may be compatible with the IDEXX Water SARS-CoV-2 Test and Water DNA/RNA Magnetic Bead Kit. Contact IDEXX Technical Support for details.

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