



**Available and Compatible Controls for  
Quantifying SARS-CoV-2 in Wastewater  
with IDEXX Test Kits**

## Available and Compatible Controls for Quantifying SARS-CoV-2 in Wastewater with IDEXX Test Kits

Control	Purpose	Validated and Provided Materials	Validated Materials	Instructions for Use
PCR Positive Control	Demonstrate valid PCR reagent performance	Positive Control (PC) (included in 99-0015314)	–	<a href="#">Water SARS-CoV-2 RT-PCR Test product insert</a>
PCR Negative Control	Detect nucleic acid template contamination in reagents or materials	PCR Grade Water (included in 99-0015314)	–	<a href="#">Water SARS-CoV-2 RT-PCR Test product insert</a>
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)	<a href="#">Water DNA/RNA Magnetic Bead Kit product insert</a>
Extraction Negative Control	Detect nucleic acid template contamination in extraction reagents or materials (discriminate from PCR reagents and materials)	–	PCR Grade Water	<a href="#">Water DNA/RNA Magnetic Bead Kit product insert</a>
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)	–	<a href="#">IDEXX Water Internal Control product insert</a>
Quantitative Reference Material	Provide standard curve for quantification of SARS-CoV-2 RNA	–	ATCC Quantitative Synthetic SARS-CoV-2 RNA (Material Number: VR-3276SD)	<a href="#">Water SARS-CoV-2 RT-PCR Test product insert</a>
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.

### For Technical Support, please call:

North / South America: 1 207 556 4496 / 1 800 321 0207  
 Europe: 00800 4339 9111  
 UK: +44 (0) 1638 676800  
 China: +86 21 61279528  
 Japan: 03 5301 6800  
 Australia: 1300 443 399

IDEXX is a trademark or registered trademark of IDEXX Laboratories or its affiliates in the United States and/or other countries. All other product and company names and logos are trademarks of their respective holders.

©2021 IDEXX Laboratories, Inc. All rights reserved.

06-0015426-01