



BIOLOGICAL CONSULTING SERVICES
OF NORTH FLORIDA, INC.

May 19, 2014

Omni-Lyte Enviro Inc
Robert Hofer
P.O. Box 328
Wawanasa, MB ROK 2GO, Canada
Tel: 204 761 7751

RE: Study report on the efficacy of the provided "Omni-Lyte Enviro Neutral Analyte Biocide" solution against Porcine Epidemic Diarrhea [PED] virus. BCS1405

Dear Mr. Hofer,

We have conducted the efficacy testing on the solution you shipped to our facility. The testing was conducted as per AOAC Method 961.02 (AOAC Official Methods of Analysis; 2005) in conjunction with ASTM E1053 "Standard Test Method for Efficacy of Virucidal Agents Intended for Inanimate Environmental Surfaces". The "Omni-Lyte Enviro Neutral Analyte Biocide" labeled solution was tested against the Porcine Epidemic Diarrhea (PED) Virus strain that was diagnosed in the United States in mid-May 2013. The solution was >99.9999% effective in inactivating the virus on the contaminated surfaces described in the study.

In the following pages, you will find a summary of the methodology used and the results of our analysis. Should you have any questions or concerns, please do not hesitate to contact me.

Best Regards,

George Lukasiuk, Ph.D.
Laboratory Director

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FL DOH LABORATORY #E82924, EPA# FLO1 147
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Table 1. The viral inactivation efficacy of the “Omni-Lyte Enviro Neutral Anolyte Biocide” solution (BCS1403344); Germicidal Spray Products as Disinfectants (2005) using a 30 second contact time.

Microorganism	Number of Sprayed Inoculated Slides (number of replicates tested)	Average infectious units (iu) / inoculated per slide[#]	Average iu recovered from each of the slides sprayed*	Percent Reduction	Log₁₀ reduction
Porcine Epidemic Diarrhea virus (PED, CO isolate)	3	2.5 x 10 ⁵	None recovered < .2	>99.9999%	>6.0

[#] This number represents the average number of viral infectious units (iu) recovered from glass slides inoculated, dried, and not exposed to spray treatment (positive control).

* Glass slides were inoculated with the indicated microorganisms and allowed to dry. Slides were sprayed to saturation with the solution and allowed to incubate at 20-23.0°C for the indicated time. Slides were eluted and examined for the respective species as described in the methodology section.

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