

Below is a kill-rate chart conducted by the University of Minnesota. Indicated in this chart is the efficiency of B & S Research Solutions versus the PEDV (porcine epidemic diarrhea virus).

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**Table 1.** Virucidal efficacy of Solutions B&S 1 against PEDV.

Contact Time (hr.)	Virus Control TCID <sub>50</sub> /mL	Surviving virus TCID <sub>50</sub> /mL	Percent Virus reduction
0	6.8x10 <sup>4</sup>	-	-
1		3.2x10 <sup>3</sup>	95.3
2		1.5x10 <sup>3</sup>	97.8
4		6.8x10 <sup>2</sup>	99.0
24		3.2x10 <sup>2</sup>	99.5

**Table 2.** Virucidal efficacy of Solutions B&S2 against PEDV.

Contact Time (hr.)	Virus Control TCID <sub>50</sub> /mL	Surviving virus TCID <sub>50</sub> /mL	Percent Virus reduction
0	6.8x10 <sup>4</sup>	-	-
1		3.2x10 <sup>3</sup>	95.3
2		3.2x10 <sup>3</sup>	95.3
4		1.5x10 <sup>3</sup>	97.8
24		6.8x10 <sup>1</sup>	99.9

**Conclusions:**

1. Solutions B&S1 reduced two log<sub>10</sub> of virus after a contact time of 24 hours.
2. Solutions B&S2 reduced three log<sub>10</sub> of virus titer after 24 hours.