

Lander Veterinary Clinic

Dairy Diagnostics

4512 S Walnut Rd.

Turlock, CA 95380

[http:// landervet.com/dairy-diagnostics](http://landervet.com/dairy-diagnostics)



TO: Dairy Dip Direct LLC

EMAIL: NLEMOSFARMS@GMAIL.COM

FROM: Dairy Diagnostics Lab

EMAIL: DAIRYDIAGNOSTICS@GMAIL.COM

PHONE: 209-634-0826

TEXT: 209-312-7388

FAX: 209-634-2228

Product Efficacy Outcome:

The Super Blue Post Dip has proven its efficacy in killing 99.9% of microorganisms using the Association of Official Analytical Collaboration International (AOAC) 960.09 method.

The AOAC 960.09 method is a standardized test developed to evaluate the effectiveness of disinfectants, sanitizers and other antimicrobial agents for their ability to kill or reduce harmful bacteria.



Scientific Findings:

The AOAC 960.09 method was the standard method used to evaluate the efficacy of the Super Blue Post Dip. To meet the standard requirements, the product must kill 99.9% of microorganisms. This assessment was done by testing the Super Blue Post Dip and a control PBDW (phosphate buffer dilution water) in parallel. The test organism used for the two was *Staphylococcus aureus*.

The Super Blue Post Dip met the criteria by demonstrating a 5-log reduction in bacteria when compared to the control. The control demonstrated a growth of 10,000,000 colony forming units per milliliter, while the Super Blue Post Dip's demonstrated no bacterial growth. This in turn demonstrates more than the minimum of a 5-log reduction that is required to prove its efficacy. Throughout the six runs performed on the samples, the standards were met and remained constant as can be seen in *Table 1* and *Table 2*.

Table 1:

Samples	Run 1	Run 2	Run 3	Run 4	Run 5
Treated Sample (Super Blue Post Dip)	NG	NG	NG	NG	NG
Control (PBDW)	10^7	10^7	10^7	10^7	10^7

Table 2:

Sterility Controls	Run 1	Run 2	Run 3	Run 4	Run 5
Super Blue Post Dip	NG	NG	NG	NG	NG
Control (PBDW)	NG	NG	NG	NG	NG
Sterile Water	NG	NG	NG	NG	NG
Neutralizer	NG	NG	NG	NG	NG

Key:

NG = No Growth

The Control (PBDW) on TSA
(Tryptic Soy Agar).



The direct Control
PBDW on TSA.



The Treated Sample (The
Super Blue Post Dip) on TSA.



The Super Blue Post Dip has proven to kill 99.9% of bacteria.