


PhageGuard Listex Application on (Food Contact) Surface Areas

<p>Product: PhageGuard Listex™ 100 mL per bottle Concentration: 2 x 10¹¹ PFU/mL Shelf life: 6 months refrigerated Storage: 0 – 45 F</p> <p>PhageGuard Listex™ can be used directly on food or in the environment as an extra safety step against <i>Listeria monocytogenes</i>. It is not replacing the normal hygiene measurements and cleaning practices.</p> <p>PhageGuard Listex™ kills Listeria and not just delays the outgrowth of it.</p>	
<p>Food-contact surfaces For food-contact surfaces and environmental surfaces that are chemically cleaned daily, PhageGuard Listex™ can be applied on a continuous/daily base.</p> <p>Biofilms/Hot Spots treatments For environmental application/hot spots where biofilms are expected PhageGuard Listex™ can be used daily at a 5% concentration and followed by daily testing/swabbing until Listeria will test negative for three consecutive days. From this point onwards PhageGuard Listex™ should be used weekly or bi-weekly. Biofilm should be eradicated within 2-7 treatments.</p> <p>Food-processing environments For the food-processing environments we recommend a weekly/bi-weekly application of LISTEX™.</p> <p>Use Instructions</p> <ul style="list-style-type: none"> • Dilution: make a 1% concentration: 1 bottle PhageGuard on 2.5 gallon water • The tap water should have a <u>free chlorine level of < 1 ppm</u> • Spray on the surface, add so much that the surface becomes wet • 2.5 gallon of a 1% PhageGuard™ solution can treat approx. 1000 ft² of surface • For the drains either spray as well or flush with some liters of the solution • The treated surfaces should not contain chemicals so rinse the surfaces after your regular leaning protocol • Phages work up to 24 hours so treatment at the end of shift so they can work overnight (or over the weekend) will give best results • PhageGuard™ does not need to be removed as it is a GRAS processing aid • Clean the sprayer (in and out) and flush it before preparing a new batch. • Do not add any chlorine tablets to the drains, <u>make sure PhageGuard Listex™ does not come into contact with cleaning chemicals</u> 	<p>1% daily</p> <p>5% daily, until test negative</p> <p>1% dilution Weekly/Bi-weekly</p>
<p>Application considerations:</p> <ul style="list-style-type: none"> • See picture example of a hand sprayer that can be used • Since our product does not contain any chemicals, we advise during cleaning to flush the spraying installation in line with cleaning regimes for organic materials and then rinse with water. • Remaining liquid should be stored refrigerated overnight in the vessel for use next day. • Finish this remaining liquid first before switching to a fresh batch. • However when given the choice we advise to start the day fresh to rule out unintentional mishandling • <u>PhageGuard Listex™ is deactivated by deionized water, chlorine and chemical sanitizers but can tolerate chlorinated water up to 1 ppm</u> • PhageGuard Listex™ should not be frozen or kept at temperatures > 80 F. Refrigerated, PhageGuard Listex has a 6 months shelf life. 	