

# HOW TO USE ORBESEAL®

**NEW!**

THE ZOETIS MILK FLOW GUARANTEE

Ask Zoetis for details

## TO APPLY ORBESEAL, PERFORM THE FOLLOWING STEPS:



**1** Teats should be clean and dry. If teats are not clean, CAREFULLY wash and dry them prior to disinfection.



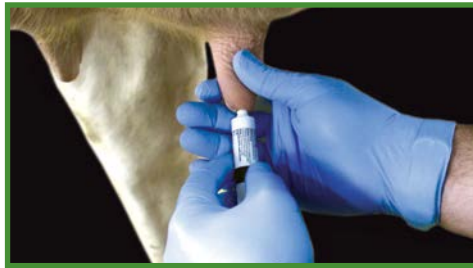
**2** Using an alcohol pad, physically clean the end of the teat to remove any contaminated skin, dirt or manure. Repeat until the pad remains clean.



**3** Disinfect the far teats before the near teats to avoid accidental contamination of previously disinfected teats.



**4** Insert OrbeSeal into the nearest teats first to minimize contamination of teats that have not been treated.



**5** Insert the OrbeSeal syringe nozzle into the teat canal and SLOWLY infuse the entire contents of the tube into the teat.



**6** After inserting OrbeSeal, mark the cow so others can tell she has been dried off. Then dip each teat with a quality teat dip.

Infuse OrbeSeal into each quarter slowly • Use one complete OrbeSeal tube per quarter • DO NOT massage OrbeSeal up into the quarter after infusion

## TO REMOVE ORBESEAL, PERFORM THE FOLLOWING STEPS:



**1** To effectively remove OrbeSeal, be sure to grab the top of the teat – where it meets the udder – and work all the way down to remove the bulk of the OrbeSeal.



**2** For the first 3 days after calving, forestrip each quarter to remove most of the remaining OrbeSeal particles before unit attachment.\*



**3** Consider bucket milking for 3 days post-calving. This will reduce the amount of OrbeSeal particles that enter the main milking system.

**IMPORTANT REMOVAL PRACTICE:** At first milking, prior to unit attachment, vigorously forestrip all quarters of all OrbeSeal-treated cows. This will ensure that a minimal amount of OrbeSeal enters the milking system.

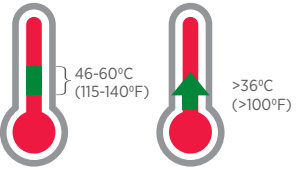
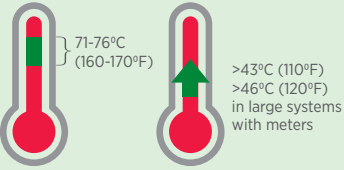
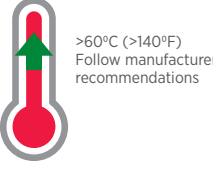
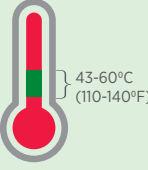
If you have any questions about OrbeSeal, please contact your local Zoetis Territory Manager or call Zoetis Technical Services at 1-800-461-0917.

\* OrbeSeal particles may be present in the milk more than 3 days after calving.



# PIPELINE CLEANING SYSTEM GUIDELINES<sup>1</sup>



CYCLE	PURPOSE	TEMPERATURE RANGE	CHECKLIST
<b>1st</b> <b>PRE-RINSE</b>	<ul style="list-style-type: none"> <li>Removes milk solids and dirt</li> <li>Warms milk line</li> <li>Ensures detergent is not diluted during wash</li> </ul>	<p>Start      End</p> 	<ul style="list-style-type: none"> <li>Do not recirculate water</li> <li>Temperature: Ensure water is not too hot                             <ul style="list-style-type: none"> <li>A hot rinse will cook milk proteins onto surfaces</li> </ul> </li> </ul>
<b>2nd</b> <b>WASH</b> Chlorinated alkaline detergent	<ul style="list-style-type: none"> <li>Removes fat, protein, and other organics (i.e. bacteria)</li> </ul>	<p>Start      End</p> 	<ul style="list-style-type: none"> <li>Follow manufacturer directions</li> <li>Cleaning solution:                             <ul style="list-style-type: none"> <li>pH = 11-13</li> <li>Chlorine = 100-200 ppm</li> </ul> </li> <li>Water quantities:                             <ul style="list-style-type: none"> <li>Depends on hardness – may need softener</li> </ul> </li> <li>Length = 6-10 minutes</li> <li>Slugs = 20/wash</li> <li>Flow rate = 7-10 m/sec</li> </ul>
<b>3rd</b> <b>ACID RINSE</b>	<ul style="list-style-type: none"> <li>Removes detergent</li> <li>Prevents mineral build-up</li> <li>Prevents bacterial growth</li> <li>Maintains condition of rubber parts</li> </ul>		<ul style="list-style-type: none"> <li>pH = 2-3</li> <li>Add acid rinse to cycle after each milking</li> <li>DO NOT mix acid detergent with a chlorine-based product, as a toxic lethal gas could result</li> </ul>
<b>4th</b> <b>SANITIZATION</b>	<ul style="list-style-type: none"> <li>Disinfects system prior to milking</li> </ul>		<ul style="list-style-type: none"> <li>Chlorine = 100-200 ppm</li> <li>Run cycle no more than 30 minutes prior to milking</li> <li>Time = 3-4 minutes</li> </ul>

<sup>1</sup> Adapted from Milk Quality Infosheet: Pipeline Cleaning System Guidelines. [http://www.omafra.gov.on.ca/english/livestock/goat/facts/info\\_pipecl.htm](http://www.omafra.gov.on.ca/english/livestock/goat/facts/info_pipecl.htm)



**ZOETIS STANDS BEHIND AND PROVIDES COMPREHENSIVE SUPPORT FOR ALL OF ITS PRODUCTS.**

For product support or technical questions, please contact your veterinarian and ask about the Quality Medicine Program.

