

# BARRIER™

## Waterless Surgical Prep

2% Available Iodine



**FOR VETERINARY USE ONLY**

**REORDER NO: 59001**

NDC 51072-035-16

**Aurora Pharmaceutical, LLC**  
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### FEATURES AND BENEFITS

BARRIER™ Waterless Surgical Prep

- contains 2% titratable iodine that kills up to 99% of surface germs that may cause an infection.
- dries quickly and forms a visible and durable coating.
- allows quick and effective surgical site preparation.
- has the same effect on reducing bacteria at the surgical site as conventional iodine scrub with alcohol rinse procedures. Yet the site remains dry.
- provides continuous disinfectant activity and a physical barrier on the skin and hair.
- can be used to clean the area of wounds that are too difficult to clip
- dramatically reduces surgical prep time.

### DIRECTIONS FOR USE

Closely clip hair from surgical site. The 16 oz. bottle is packaged with a trigger sprayer. To apply, hold sprayer about 4–6 inches from area to be treated and spray one or more times. Allow to dry. Surgical incision can then be made through the durable antibacterial BARRIER™ protection.

### WARNINGS

Do not use in the eyes. Do not use if you are allergic to povidone-iodine. Prolonged exposure may cause irritation. If swallowed, get medical help or contact a Poison Control Center right away.

Store at 15°–30°C (59°–86° F). Avoid inhalation.

### CAUTION

Flammable — use with caution.  
For external use only.  
Keep out of reach of children.  
Wet hair or fur is flammable.



MANUFACTURED IN THE USA





# Waterless Surgical Prep

## FIELD VETERINARY APPLICATION

Surgical procedures on food animals and horses in the field are done in less than ideal surgical settings. Suturing wounds, C-sections and abdominal surgeries in cows and horses require washing with water to rinse away debris and preparing the skin to reduce the risk of introducing environmental bacteria. Water can be a pathogen vector dissolving manure and barn dust, allowing them to stick to the surgery site. Traditional methods of preparation involve clipping hair, rinsing away debris, then scrubbing with water-based surgical scrub and rinsing with isopropyl alcohol. This takes several minutes and multiple products. Though the site is clean, there is cold, wet hair all around with little or no residual disinfectant activity once the alcohol has evaporated.

Veterinarians in the field need a waterless surgical prep that allows quick and effective surgical site preparation. The waterless prep should provide continuous disinfectant activity and a physical barrier on the skin and hair. The improved

product should reduce the time it takes to prepare the site. Brush debris from the area, clip the hair, brush or wipe the skin to remove clipped hair and other debris, spray the quick-drying antibacterial prep and begin the procedure. For wounds that are too difficult to clip, the spray alone could be used to clean the area. Aurora Pharmaceutical has developed a unique Waterless Surgical Prep to address messy procedures that use multiple products and leave skin and hair cold, wet and susceptible to infections. Our research<sup>1</sup> shows that in the first five minutes after preparing a surgery site with either the Waterless Surgical Prep or conventional iodine scrub twice followed by alcohol rinse, there was no difference in reduction of bacterial colonies per milliliter (col/ml) on the skin. However, 60 minutes later, the Waterless Surgical Prep continued to reduce bacteria while the scrub site increased in col/ml (Table 1).

### Reference

1. AURORA study #022010A(50-1074).

**TABLE 1: BARRIER™ WATERLESS SURGICAL PREP CLINICAL COMPARISON**


	Average all skin (col./ml)	Average after 5 minutes (col/ml)	Average after 60 minutes (col/ml)
BARRIER™ Waterless Surgical Prep	628	57	20
Conventional scrub and alcohol rinse	628	67	187

Standard plate count — colonies/ml by treatment and time

**INDICATIONS:** For use in cattle, sheep and swine as an aid in reducing surface bacteria. BARRIER™ Waterless Surgical Prep provides rapid antimicrobial kill of a broad spectrum of microorganisms, including antibiotic-resistant strains, with greater than 99% microbial kill in 15 seconds or less.

<b>ACTIVE INGREDIENTS</b>	<b>PURPOSE</b>
Povidone-Iodine (2% available iodine)	Antiseptic
Ethyl Alcohol 80.6% v/v	Antiseptic
Isopropyl Alcohol 4.0% v/v	Antiseptic

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## BARRIER™


### Waterless Surgical Prep

#### Povidone-Iodine

2% Available Iodine

For Veterinary Use Only

16 fl. oz. (473 ml)




**DIRECTIONS:** Closely clip hair from surgical site. Hold sprayer about 4–6 inches from area to be treated. Spray 1 or more times — allow to dry. Surgical incision can then be made through the durable antibacterial BARRIER™ protection.


**WARNINGS:** Do not use in the eyes. Do not use if you are allergic to povidone-iodine. Prolonged exposure may cause irritation. If swallowed, get medical help or contact a Poison Control Center right away.

Store at 15°–30° C (59°–86° F). Avoid inhalation.

FLAMMABLE — USE WITH CAUTION  
 FOR EXTERNAL USE ONLY  
 KEEP OUT OF REACH OF CHILDREN  
 WET HAIR OR FUR IS FLAMMABLE

**MANUFACTURED IN THE USA** 

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IN 50-1074 REV 01



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