

<b>Title: : <i>Accel</i>® Disinfectant Use in LA Clinic</b>	
<b>Issue Date: 5/29/2013</b>	<b>Page 1 of 1</b>

### 1.0 Purpose:

The purpose of this standard operating procedure (SOP) is to explain the proper procedures for preparation and use of **Accel**® disinfectant/detergent in the Large Animal Clinic.

### 2.0 Chemical Description and Hazards:

- Description - **Accelerated Hydrogen Peroxide (AHP)**
- **One step cleaner and disinfectant**
- Appearance - clear, colorless; characteristic in odor
- Moderately irritating to eyes and skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Inhalation hazard: none known.
- Shelf life: Undiluted = 24 months Diluted =90 days.
- Decomposition releases oxygen which may intensify fire.

**Not compatible with strong oxidizing and reducing agents (i.e. sodium hypochlorite/bleach).**

### 3.0 Handling/PPE:

Concentrate:

- Tight fitting protective eye wear (chemical splash goggles)
- Latex or Nitrile gloves
- Avoid contact with skin – wear long sleeve lab coat
- Wash skin thoroughly with soap and water after handling
- Remove contaminated clothing and wash clothing before reuse

Diluted product:

- Gloves and protective glasses/goggles are not required per MSDS but **GLOVES and PROTECTIVE glasses/goggles are ALWAYS REQUIRED** per Large Animal Clinic protocol when using Accel. Remember that the concentrate is placed in foam spray dispensers and the concentrate is strong with a pH of 1.
- If product gets in eyes, flush with plenty of water to alleviate irritation

#### **4.0 Dilution:**

When kennel foamers are put into use, they must first be set with the appropriate metering tip determined using the pressure measured at the hose with high pressure switch “on” and final measured concentration of test solution (determined by use of Accel Indicator strips). Please use high pressure when delivering the solution.

Accel will be routinely used at a concentration of 3 oz/gallon of water (50% higher than the labeled sanitation concentration) for floors, stalls, equipment and foot baths clinic wide except for those circumstances and areas listed below.

### **THE BLUE HOSE END SPRAYERS AND BLUE TOP KENNEL FOAMERS ARE to be PRESET for 3 oz/gallon (1000ppm)**

Accel will be used at the labeled bactericidal concentration of 8 oz / gallon of water (final ratio of 1:16 or 64 ml/liter of water) for disinfecting of facility, stalls, floors, equipment, and foot baths for:

- Equine Isolation
- Livestock Isolation
- Pathogen positive cases:
  - Salmonella
  - Coronavirus
  - Rotavirus
  - Cryptosporidium
  - Other pathogens / areas as directed by bio security officer

**THE RED HOSE END SPRAYERS AND RED TOP KENNEL FOAMERS ARE to be PRE SET for 8 oz / gallon. (3000ppm)** Please do not move them to other hoses, as they have been installed based on pressure at specific hoses.

Footbaths:

Change footbaths once daily in am in Equine Isolation and Livestock Medicine.

Change footbaths Monday, Wednesday and Friday elsewhere throughout Large Animal Clinic.

## 5.0 Use:

Remove all animals/feed from areas being treated with Accel.

Remove all bedding and waste

Pre clean soiled surfaces by scrubbing with soap or detergent and rinse thoroughly with water

Dilute using above specifications and methods

- Using proper handling techniques:

Apply solution with a kennel foamer, scrub brush, mop, cloth, sponge, hand pump trigger sprayer or dispensing bottle to wet all surfaces thoroughly.

Contact time required:

10 minutes

Air dry or wipe surfaces if needed soon after the 10 minute contact time.

Not necessary to rinse off stall wall surfaces/stocks or livestock chutes.

DO RINSE as follows:

- a. After 10 minutes contact time, rinse buckets and grooming equipment.
- b. Make sure that water bowls and buckets have been rinsed very thoroughly, prior to placing animal in stall, as the animals may not drink when the residue has been left in the waterer or bucket.
- c. After 10 minutes contact time, rinse aisles and floors of Tx rooms to reduce slip hazard. Rinse stall floors if placing patient in stall without bedding.

Do not house animals or re-employ equipment until solution has dried.

### Equipment:

Buckets, lead ropes, halters and non-metal instruments (that do not require sterile processing) should be cleaned with Accel to remove organic debris, rinsed with water, allowed to soak for 10 minutes in Accel (3oz/gallon for equipment used throughout clinic or 8 oz/gal/on for equipment used in Equine Isolation, Livestock Isolation or suspected or confirmed infectious patients) then rinsed and allowed to dry.

Dose syringes, stomach pumps and metal instruments should be soaked in Nolvasan (3oz/gallon of water) for 10 minutes, then rinsed thoroughly and left to air dry. [Accel could be used on these items, but damage to the metal will occur if left in Accel longer than 10 minutes, so to avoid this problem, VMTH protocol is to NOT use Accel for these items.]

Grooming equipment, lead ropes, halters should be cleaned, soaked for 10 minutes (as above), rinsed with water and allowed to dry.

Wear OB sleeves when reaching into the solution container.

Containers may be prepared with diluted Accel (dilution as listed above) and used repeatedly to submerge equipment for soaking contact time. Solution should be tested daily with Accel Indicator strips. When concentration drops below 1000ppm (for 3oz/gallon solution) or below 3000ppm (for 8oz/gallon solution), empty the container and refill with fresh solution.

## 6.0 First Aid:

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. [Remove contact lenses (if present) after 5 minutes then continue rinsing eye for 15 minutes]. Obtain medical attention immediately.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Obtain medical attention if irritation persists.

**If swallowed:** If able to swallow, have person sip a glass of water. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention immediately.

**If inhaled:** Not a normal route of exposure. If symptoms develop: move victim to fresh air. If symptoms persist, obtain medical attention.

## 7.0 Leak & Spill procedures:

Follow Safety Net #13 - Guidelines for Chemical Spill Control

Diluted Accel can be washed down drain.

For spills involving the Accel concentrate, refer to the hazard data in MSDS and wear appropriate PPE before attempting clean up. Large Spills, > 5 gallons, may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers.

Prevent large spills from entering sewers or waterways. Contact Safety Services (530) 752-1493.

### *Revision History:*

<u>Revision</u>	<u>Author</u>	<u>Revisions Made</u>	<u>Effective Date</u>
01	Marika Pappagianis	• New SOP	5/29/2013
02	M. Pappagianis	• Revised SOP	7/1/2015
03	M.Pappagianis	• Revised SOP	7/31/2015
04		• Revised SOP	8/19/2015