



Zero Defect Implanting* Critical Control Points



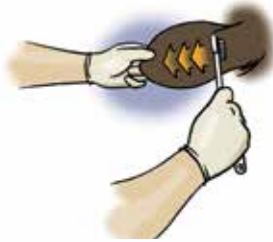
FULL VALUE BEEF™

Critical Control Point #1

Sanitation

Site of implantation

- Classify ears as clean or dirty
- Clean and dry ear: Cleaning optional; follow procedure below, if desired
- Dirty ear:
 - Step 1. Scrape surface contamination with serrated tool
 - Step 2. Using a clean sponge, wash implant site with antiseptic solution (diluted chlorhexidine mixed at recommended dilution rate)
 - Step 3. Using a brush in clean antiseptic solution, make two to three brush strokes in one direction at site of implantation



Implanting equipment

- Implanting gun should be cleaned prior to use. Wash the exterior of the gun and flush water through the front gun magazine. Allow the gun to dry thoroughly before use. Do not use disinfectant solution to clean the gun
- Implants should be stored in a clean container
- Place diluted disinfectant solution in a disinfecting tray with a clean sponge or rollers
- Disinfect the needle between each animal and after 'skips' off the ear by wiping across the sponge or rollers to remove hair and contaminants
- Operator should wear latex gloves



Work area

- Work area should be kept clean and supplies should be arranged in an orderly fashion

Critical Control Point #2

Operator Training

- Operator must be trained on proper operation and techniques used with the various implanting devices
- Implanting must be restricted to operators who have been given sufficient time to build skill level in the implanting procedure
- Back-up implanting operator should be available



Critical Control Point #3

Implanting Procedure

- Step 1. Clean and prepare implant site according to procedure outlined above
- Step 2. Insert the needle at the outer one-third of ear
- Step 3. Insert needle between the skin and cartilage (avoid digging into cartilage)
- Step 4. Deposit implant in the middle one-third of the ear, withdraw needle
- Step 5. Check implant by running thumb over site. Pinch implant insertion site while giving a gentle push to assure implant is not located at the insertion site



Critical Control Point #4

Implant Quality Control Verification

- Two to three weeks after processing, check ears for defects in a random sample
- Conduct regular chute-side evaluations during implanting
- Review results with implanting personnel
- Implement an ongoing training program for new personnel

