

PROPER HANDLING AND USE OF CELL ASSOCIATED MAREK'S

- Cell associated Marek's vaccine must be transported and stored in liquid nitrogen at all times.
- The level of liquid nitrogen in the storage tank should be routinely checked.
- Only one vial of vaccine should be removed from the tank at a time for mixing.
- Vaccine should be thawed in a 80° F (27° C) water bath.
- Once the vaccine is thawed, the top is snapped off and the vaccine should be removed with an 18 gauge, 1 ½ inch needle.
- Use alcohol to clean the injection port on bag diluent. Slowly inject the thawed vaccine into room temperature diluent. Gently rock the diluent to mix the vaccine.
- Remove a small amount of diluent with the needle to rinse the vial and recover all of the vaccine.
- The time from which a vial is removed from the liquid nitrogen tank until it is injected into the diluent should be no longer than 90 seconds.
- If antibiotics or dye is added to the diluent, it should be added and mixed 15 minutes before the vaccine is added to the diluent.
- The use of unapproved dyes or antibiotics may have a negative effect on Marek's vaccine.
- Mixed Marek's vaccine should be used within 30 minutes.
- Avoid cross contamination and damage to cell associated Marek's vaccine. Do not use the same needle to mix Marek's that has been used for dye, antibiotics or other vaccines.
- Each chick should receive the recommended dose size injected subcutaneously. Vaccinating equipment should be tested to ensure that an accurate dose size is dispensed.
- The vaccination crew should be monitored by checking vaccinated chicks.