

THE UNIVERSITY OF QUEENSLAND  
STANDARD OPERATING PROCEDURES  
LARGE ANIMAL TEACHING

**SOP No:** ATT 029

**SUBJECT:** Sheep and goat vaccination

**POLICY:** Minimum number of two operators required.

**Demonstrator:** Operators should be familiar with the correct techniques and the anatomy of sheep and goats before demonstrating this procedure.

**Students:** Procedures should be clearly demonstrated before student attempts them. Students should be aware of aseptic technique.

**PRECAUTIONS:** Wear sturdy footwear and sun protection  
Sheep and goats should be handled quietly before, during and after the procedure.  
Understand the flight zone of the animal.  
Animals should not be overcrowded in yards.  
Operators should use gloves and disinfect them between animals to prevent the transmission of blood-borne diseases. Equipment should be cleaned between animals  
Wash hands and exposed body parts thoroughly with soap and water after handling animals.

**EQUIPMENT:** Crush or yards  
Gloves  
70% alcohol  
Vaccination equipment. Note expiry date of vaccine and batch number. Also note withholding period requirements.

**PROCEDURE:**

1. The neck and shoulder areas are most frequently used for subcutaneous injections. Injection of sheep should be done when the wool is dry to avoid injection site reactions.
2. Wipe the area with a swab soaked with alcohol.
3. Grasp a fold of skin and insert needle with syringe attached.
4. Slightly withdraw the plunger to ensure that a blood vessel has not been pierced.
5. Slowly depress the plunger to inject the vaccine and withdraw the needle.

On completion of procedure note down the date of vaccination and observe animal for signs of excessive distress.

**RECOMMENDATIONS:**

**DATE ISSUED:** 24.06.2009

**REVISED:**

**REFERENCES**

1. **McCurnin, D & Bassert, J 2006, *Clinical Textbook for Veterinary Technicians*, Elsevier Saunders.**