

Respiratory Disease Management

Pathogens

- Caused by both **viruses** and **bacteria**
- **Viruses**: BRSV, PI-3, BCoV, BoHV-1
- **Bacteria**: *Mannheimia haemolytica*, *Pasteurella multocida*, *Mycoplasma bovis*

Sourcing calves

- Good colostrum management on source farm
- Look for healthy calves, no scour or joint ill
- Low number of source farms = less risk of introducing pathogens
- Reduce travel time where possible

Vaccination

- Intranasal and injectable vaccines are available for respiratory disease pathogens, however not all pathogens are covered
- **Intranasal** vaccines provide **faster** onset of immunity - useful for calves arriving onto farms
- **Injectable** vaccines provide **longer** duration of immunity and protection against certain bacterial pathogens

Detection

- Coughing, nasal discharge, fast/laboured breathing - take rectal temperature. **If ≥ 39.5 °C consult vet**

Take home messages

- Sourcing healthy calves is crucial for success
- Vaccines are useful but do not guarantee protection
- Monitor for disease and act quickly

