Bovine respiratory diagnostic panel work-up

Common differential list:

- Bacteria: *Histophilus somni, Mannheimia haemolytica, Pasteurella multocida, Mycoplasma bovis,*
- Viruses: BoHV-1 (IBR), bovine respiratory coronavirus, BRSV, BVDV, PI3
- Atypical interstitial pneumonia

Samples to submit (fresh and fixed)

- ☐ Lung: sample 3-4 areas of lung, generous portions of lesions and adjacent less affected lung
- ☐ Trachea
- ☐ Heart from left papillary muscle
- ☐ Liver
- ☐ Ear notch
- ☐ Brain: whole brain fresh if concerned about *Histophilus somni*
- ☐ Any additional gross lesions

Standard tests run at the laboratory (included in the general investigation)

- ☐ Histopathology
- ☐ Aerobic and *Mycoplasma* sp. culture
- ☐ Bovine respiratory disease multiplex PCR (BoHV-1, bovine respiratory coronavirus, BRSV, BVDV)