

## Bovine Respiratory Virus Serology



- ◆ Identification of antibodies to RSV, IBR, PI3, adenovirus 2 and BVD in serum samples from calves is a useful indicator of the presence of those viral pathogens on a farm, thus aiding in the development of a targeted vaccination policy.
- ◆ Calves sampled should be > 4 months old to reduce the influence of maternally derived antibodies. It should be noted, however, that maternally derived antibodies to BVD may persist until 9 months of age.

### Guide to Sampling

- ◆ Blood samples should be collected from 5 calves >4 months old.
- ◆ If respiratory disease has been a recent problem, sample known recovered animals.
- ◆ Taking single samples for serology is not an appropriate technique to diagnose the cause of a *new* respiratory disease outbreak. Paired acute and convalescent phase samples should be collected.

### Samples Required

*Serum (clotted blood)  
from up to 5 animals*



**Leeds Laboratory**  
Gate Way Drive  
Yeadon, LEEDS  
LS19 7XY

Tel: 0113 250 7556  
Fax: 0113 250 0198  
Email: [lvl@lvlabs.co.uk](mailto:lvl@lvlabs.co.uk)  
[www.lvlabs.co.uk](http://www.lvlabs.co.uk)