

CAPRINE ARTHRITIS ENCEPHALITIS VIRUS



Caprine Arthritis Encephalitis Virus (CAEV) and Ovine Progressive Pneumonia Virus (OPPV) are lentiviruses, which cause persistent infection in goats and sheep, respectively.

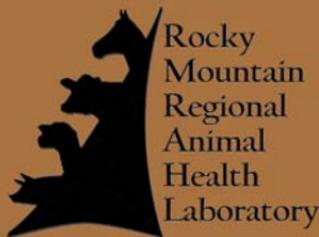
Infection is life long and carriers are a potential source of virus for transmission. Both viruses cause arthritis, encephalitis, mastitis, and pneumonia and transmission is primarily through colostrum and milk. Arthritis is the disease most associated with CAEV, whereas “hard bag” and pneumonia are the probable result of OPPV.

The seroprevalance for OPPV is reported to be approximately 49% in the western United States and as high as 65% for CAEV in industrialized nations.

The Rocky Mountain Regional Animal Health Laboratory (RMRAHL) offers the CAEV competitive enzyme-linked immunosorbent assay (ELISA) that detects antibodies to CAEV in goat sera. Test results are available the same day. The RMRAHL also offers the agar gel immunodiffusion test (AGID) for Ovine Progressive Pneumonia Virus (OPPV) and CAEV in sheep and goat sera. Test results are available in 24 to 48 hours.

For more information regarding CAEV or OPPV testing or other laboratory services, please visit our website at www.rmrahl.org or call the RMRAHL at (303) 477-0049. For additional information on OPPV and CAEV diagnosis, prevention, and control, contact your herd veterinarian or the Colorado Department of Agriculture at (303) 239-4161.

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