


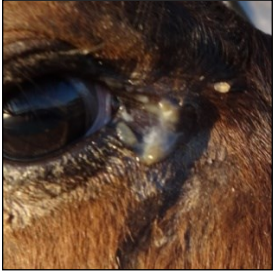





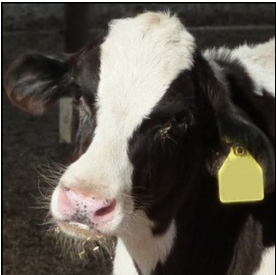
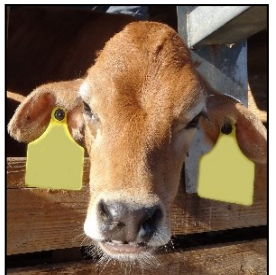



Bovine respiratory disease scoring system for pre-weaned dairy calves^{1,2,3}


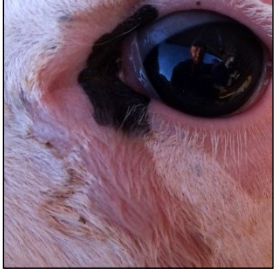

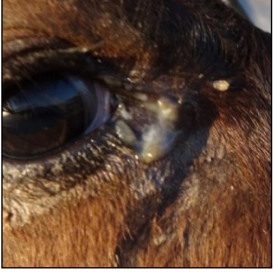
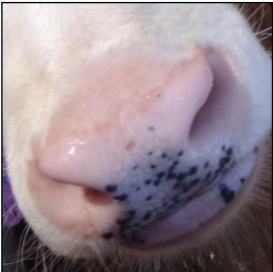





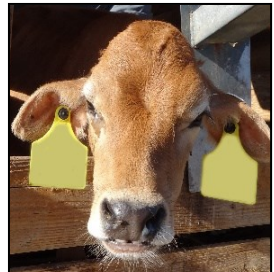

Clinical sign	Score if normal	Score if abnormal (any severity) ⁴
Eye discharge	0 	2  Or  Or 
Nasal discharge	0 	4  Or  Or 
Ear droop or Head tilt	0 	5  Or  Or 
Cough	0 No cough	2 Spontaneous cough
Breathing	0 Normal	2 Rapid or difficult breathing
Temperature	0 < 102.5° F	2 ≥ 102.5° F

Add scores for all clinical signs, if total score is ≥ 5, calf may be positive for bovine respiratory disease³

1. Love WJ, Lehenbauer TW, Kass PH, Van Eenennaam AL, Aly SS. (2014) Development of a novel clinical scoring system for on-farm diagnosis of bovine respiratory disease in pre-weaned dairy calves. PeerJ 2:e238 <https://peerj.com/articles/238>.
 2. Aly SS, Love WJ, Williams DR, Lehenbauer TW, Van Eenennaam AL, Drake C, Kass PH, Farver TB. (2014) Agreement between bovine respiratory disease scoring systems for pre-weaned dairy calves. Animal Health Research Reviews 15: 2 Pages 148-150 http://journals.cambridge.org/repo_A94A1150.
 3. Love WJ, Lehenbauer TW, Van Eenennaam AL, Drake CM, Kass PH, Farver TB, Aly SS. Sensitivity and specificity of on-farm scoring systems and nasal culture to detect bovine respiratory disease complex in preweaned dairy calves. J Vet Diagn Invest. 2016 Mar;28(2):119-28. <http://www.ncbi.nlm.nih.gov/pubmed/26796957>
 4. Any abnormality including, but not limited to, the examples shown in the above pictures.



Sistema de puntuación para enfermedad respiratoria bovina en becerros lecheros pre-destetados^{1,2,3}

Signos Clínicos	Puntuación normal	Puntuación anormal (cualquier gravedad) ⁴
Secreción ocular	0 	2  Or  Or 
Secreción nasal	0 	4  Or  Or 
Orejas caídas o Cabeza inclinada	0 	5  Or  Or 
Tos	0 Sin tos	2 Tos espontánea
Respiración	0 Normal	2 Respiración rápida o difícil
Temperatura	0 < 102.5° F	2 ≥ 102.5° F

Añadir los puntajes para todos los signos clínicos, si la puntuación total es ≥ 5, el becerro puede tener enfermedad respiratoria bovina³

1. Love WJ, Lehenbauer TW, Kass PH, Van Eenennaam AL, Aly SS. (2014) Development of a novel clinical scoring system for on-farm diagnosis of bovine respiratory disease in pre-weaned dairy calves. PeerJ 2:e238 <https://peerj.com/articles/238>.
 2. Aly SS, Love WJ, Williams DR, Lehenbauer TW, Van Eenennaam AL, Drake C, Kass PH, Farver TB. (2014) Agreement between bovine respiratory disease scoring systems for pre-weaned dairy calves. Animal Health Research Reviews 15: 2 Pages 148-150 http://journals.cambridge.org/repo_A94A1150.
 3. Love WJ, Lehenbauer TW, Van Eenennaam AL, Drake CM, Kass PH, Farver TB, Aly SS. Sensitivity and specificity of on-farm scoring systems and nasal culture to detect bovine respiratory disease complex in preweaned dairy calves. J Vet Diagn Invest. 2016 Mar;28(2):119-28. <http://www.ncbi.nlm.nih.gov/pubmed/26796957>
 4. Cualquier anomalía incluyendo, pero no limitado a, los ejemplos mostrados en las imágenes anteriores.

