

Supplemental Table 1. Modified Wisconsin Calf Health Scorecard. Rectal temperatures were recorded if a calf scored ≥ 3 for these categories combined, excluding ocular discharge. Observers were trained to $>80\%$ reliability (Kendall's W) using 40-photo tests for nasal discharge, ocular discharge, ear position, and feces. Cough, respiratory, and attitude were not prevalent enough for a test, and were rarely observed during the trial.

Measure	Score 0	Score 1	Score 2	Score 3
Nasal discharge	Normal – no discharge	Small amounts of serous (clear or slightly cloudy) discharge - unilateral	Bilateral serous discharge, excessive unilateral serous discharge, or thicker unilateral mucoid discharge	Excessive bilateral mucopurulent discharge, or combination of bilateral excessive mucopurulent discharge and serous discharge
Ocular discharge	None	Small amount of unilateral or bilateral white or serous discharge only immediately around the eye	Moderate amount of unilateral or bilateral white or serous discharge around the eye or streaming onto cheek	Heavy accumulation of unilateral or bilateral thick white discharge around eye, or unilateral or bilateral wide (wider than a thumb) or multiple streams of serous discharge down the cheek
Ear position	Normal	Ear flicking or head shake	Slight unilateral droop	Severe head tilt or bilateral ear droop
Feces	Normal: Firm to soft consistency; brown in color	Pasty, semi-formed consistency; brown, yellow, orange, green, or gray in color	Loose but stays on top of bedding; brown, yellow, orange, green, or gray in color	Watery consistency, sifts through bedding; blood may be present
Respiratory	Normal: Regular rate and rhythm, no extra effort compared to neighboring calves	More rapid, shallow breathing compared to neighboring calves, breathing accompanied by more exaggerated movements of chest wall/abdomen compared to neighboring calves but otherwise calf does not seem to be in distress	Rapid, shallow breathing pattern coupled with evidence of respiratory distress – standing or lying with head/neck extended, open mouth, expiratory grunt	N/A
Cough	None	Occasional	Repeated	N/A
Attitude	Normal: Alert, bright eyes, ears moving around, sniffing environment, moving around	Eyes slightly dull, less ear movement, less sniffing, seems more sedentary or lethargic relative to neighboring calves, but still some movement/interaction with environment	Eyes dull, sunken. No interest in environment – no sniffing, no ear movement. Will not rise/flat on side	N/A