

Materials List for:

The Use of an Automated System (GreenFeed) to Monitor Enteric Methane and Carbon Dioxide Emissions from Ruminant Animals

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Materials

Name	Company	Catalog Number	Comments
AHCS	1	C-Lock, Inc.	
Zero, 100 N ₂	1	Air Liquide	4 m ³ sized tanks filled with 13,790 kPa
Span, 0.15% CH ₄ and 1% CO ₂	1	Air Liquide	4 m ³ sized tanks filled with 13,790 kPa
Gas sampling bag	2	SKC, Inc.	FlexFoil® PLUS Breath-gas analysis bags
Gas regulator	2	Scott Gasses	
CO ₂ cylinder	6	JT	90 g CO ₂ tanks
Mass scale	1	A&D EJ6100	>4 kg, with 0.1 g resolution
Propane cylinder 485 ml	1	Coleman	
ISO 11784/11785 button ear tag	40	Allflex USA	One tag per animal
Alleyway (for free-stalls, tie-stalls)	2	Behlen Country	One alleyway per unit
30 m AC extension cord	1	HDX	
A container with warm water (37–43 °C)	1	N/A	
Stopwatch (sec)	1	N/A	