Title-Subacute Ruminal Acidosis in Zebu Cattle: Clinical and Behavioral Aspects

Supplementary Material S1—Analytical Controls and Calibration

 $\textbf{Table S1.} \ \textbf{Analytical controls and calibration used in this study}.$

Variable	Calibration/Validation
L-Lactate	Biochemical kit (Randox®, Crumlin, UK). Calibrator C2 REF: CAL2350, Randox
	(1.776 mmol/L); Quality control normal N2 REF: HN1530, Randox (1.443–2.054
	mmol/L), recovery >98%; Quality control pathological N3 REF: HE1532, Randox
	(1.776–4.218 mmol/L), recovery >97%.
D-Lactate	D-Lactate Colorimetric Assay Kit REF: K667 (BioVision Inc., Milpitas, CA, USA). D-
	Lactate calibration standard (100 mmol). r^2 = 0.98. Calibration curve from 0.01 to 10
	mmol.
Glucose	Randox Glucose GOD-PAP assay kit (Randox®). Calibrator C2 REF: CAL2350,
	Randox: 5.42 mmol/L. Quality control normal N2 REF: HN1530, Randox: 4.78–6.45
	mmol/L. Quality control pathological N3 REF: HE1532, Randox: 10.89–14.55
	mmol/L, recovery >98%.
Osmolarity	Internal precheck calibration. Reference solution with 290 mOsm (Ref.: MA029).
	Acceptable variation: ± 2 mOsm. Quality control low: 50 mOsm Ref: 3MA005.
	Quality control high: 850 mOsm, Ref: 3MA085. Advanced®, Norwood, MA, USA.
рН	Standard calibration in each day using 4.01 pH, REF: DM-S1B and 7.00 pH, REF:
	DM-S1D. Digimed, São Paulo, Brazil.
SCFA	Calibration with reference standards. Acetic acid analytical standard, GC assay ≥
	99.8%, Sigma-Aldrich, San Luis, Mi, USA, REF: 71251. Propionic acid analytical
	standard, GC assay ≥ 99.5%, Sigma-Aldrich, REF: 94425. Butyric acid analytical
	standard, GC assay ≥ 99.5%, Sigma-Aldrich, REF: 19215.

SCFA: Short-chain Fatty Acid.