

Preview of the Paper:

“Hematologic and Biochemical Reference Intervals in Adult Friesian Horses from North America”

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123 Healthy Adult Friesian Horses from across North America were sampled for this study

30 of 37 of IDEXX Lab’s values were found to be appropriate (transferrable) to adult Friesian horses

Friesian specific values are recommended for :
Hemoglobin, RBC count, HCT, Glucose and LDH

Use of Friesian specific RI leads to more accurate interpretation of blood values in both health and disease.



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The Results:

Analytes	Units	Friesian RI	IDEXX Equine RI	# Below	# Above
RBC	10 ⁶ /μL	5.02-8.74	6.5-12.5	51	0
HGB	g/dL	9.0-14.3	11-19	40	0
HCT	%	27-42	32-52	34	0
Glucose	mg/dL	62-95	75-115	21	0
LDH	U/L	299-866	140-440	0	81

RI include 95% of all values from healthy Friesian – few horses above and a few below. Values were determined at IDEXX Labs in OH using the Sysmex XT hematology analyzer and the Olympus AU/700 chemistry analyzer.

****Our reference intervals are most appropriately used with blood analyzed on these same analyzers. Trends are appropriate to consider when assessing Friesian blood work in daily practice.**

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