i-STAT®
Handheld Clinical Analyzers

REFERENCE RANGES AND REPORTABLE RANGES

PARAMETERS Chemistry/Hematology:	RECOMMENDED REFERENCE RANGES		REPORTABLE RANGES*
	Mouse	Rat	
Glucose (mg/dl)	89.3–176.2	97.2–157.9	20–700
BUN (mg/dl)	13.6–34.8	8.5–22.7	3–140
Sodium (mmol/L)	136.0–148.2	126.3–142.1	100–180
Potassium (mmol/l)	4.9–9.0	4.4–7.7	2.0–9.0
Chloride (mmol/l)	109.6–127.7	99.8–116.0	65–140
Hematocrit (%)	36.8–52.7	29.5–58.3	10–75
Hemoglobin (g/dl)	12.8–17.7	10.0–19.8	3.4–25.5
Mouse reference ranges established using 44 BALB/cAnNCrlBR, 49 C3H/HeNCrlBR; and 38 129/SvPasIcoCrlBR mice. Rat reference ranges established using 50 Sprague-Dawley and 26 National Institute of Health rats.			

* Reference ranges cited in Journal of the American Association for Laboratory Animal Science, Vol 46, No 3, May 2007. The reference range provided for potassium was obtained using whole blood. Whole blood potassium measurements are typically lower than serum levels due to potassium release by platelets during the clotting process. Serum potassium values average approximately 0.5 mmol/L higher. Hematocrit values are slightly lower on the i-STAT® Analyzer as compared to reference procedures due to differences in test method. Reportable ranges are the ranges over which the analyzer can accurately measure. Patient values below or above the reportable ranges are displayed as "less than" the lower end of the range or "greater than" the upper end of the range, respectively.

For assistance, call Technical Support Services at 1-800-464-3752, opt 3.

HESKA®

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