Installation of Rat Analysis Parameters on the HemaTrue™ Veterinary Hematology Analyzer

1. Enter RAT as a species within the system:

   a. Press "Menu" button

   b. Press "Advanced"

   c. Press "Setup"

   d. Press "Analysis Profile"

   e. Scroll down and highlight the first program that is not currently designated as a species. Any species slot can be used for RAT by overwriting the existing species.

   f. Press "Name"

   g. Press "Name on Display" and type in RAT. Press OK

   h. Press "Name on Printout" and type in RAT. Press OK

   i. Press "Exit"

   j. Press "Activate"

   k. Press "Activate [X]". This should put [X] in brackets next to RAT

2. Enter RAT analysis parameters:

   a. Press "WBC setup"

   b. Press "More"

   c. Refer to Table 1 and type in the designated values

   d. Press "Exit"

   e. Press "RBC/PLT Setup"

   f. Press "More"

   g. Refer to Table 2 and type in the designated values

   h. Press "Exit"

Table 1: Analysis Parameters

Parameter	RAT
WBC Diff Method	4
WBC LYM-L (fl)	40
WBC GRAN-H (fl)	330
WBC MID-L (fl)	110
WBC MID-H (fl)	120
WBC LYM-MID limit (fl)	90
WBC MID-GRAN limit (fl)	175
Press MORE	
Debris Discr. Mode	3
Debris Discr. Setting (fl)	30
Extra Lysing Time (s)	5.0
Differential Fallback Mode	[x]
Press MORE	
WBC Histogram scale (fl)	350
WBC Histogram Visual Filter	4
WBC Histogram Format	1
WBC Histogram always show lines	[x]

Table 2: Analysis Parameters

Parameter	RAT
RBC/PLT Discr. Low Range (fl)	12
RBC/PLT Discr. High Range (fl)	23
RBC/PLT Discr. Fix FB (fl)	20
Press MORE	
PLT Histogram Max Scale (fl)	25
PLT Histogram Visual Filter	7
PLT Histogram Format	1
Press MORE	
RBC Histogram Max Scale (fl)	200
RBC Histogram Visual Filter	2
RBC Histogram Format	1

3. Enter RAT normal ranges:

   a. Press "Normal Ranges"

   b. Press "More"

   c. Refer to Table 3 and type in the designated values. Do not attempt to type in periods; simply enter the value as a string of 2 or 3 digits (i.e. to enter 5.0, simply type 50; to enter 99.9, type 999), and ensure the decimal point is in the correct place. Press OK to save the entry.

   d. When all entries are complete, press "Exit" four times to return to main menu screen.

   e. Your analyzer is ready to run RAT blood.

Table 3: Normal Ranges

Parameter	RAT Low	RAT High
RBC	7.21	8.45
MCV	55.8	62.2
HCT	43.6	48.6
MCH	17.7	20.1
MCHC	31.4	33.6
Press MORE		
PLT*	250	1200
MPV	0.0	99.9
Press MORE		
HGB	13.2	16.4
WBC	7.2	12.6
LYM	5.0	9.1
MID	0.1	0.5
GRAN	1.3	4.1
Press MORE		
LYM %	0.0	99.9
MID %	0.0	99.9
GRAN %	0.0	99.9
RDW %	0.0	99.9
RDWa	0.0	99.9

*Platelet Range: Lower platelet reference limit modified to reflect minimum platelet concentration adequacy. Exacting measurement of platelet concentration is difficult in this species. The measurement is complicated by varying degrees of platelet aggregation in almost all samples. As a result, it is recommended that the platelet concentration measurement be regarded as an index of adequacy rather then absolute concentration.

Data represents Sprague-Dawley rats (both sexes 7–12 months) and is derived from Jain, N.C., Essentials of Veterinary Hematology, Philadelphia: Lea & Febiger, 1993.

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

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