
Updating Control Reference Intervals on the Element DC, Element DCX, Element DC5X and DRI-CHEM Veterinary Chemistry Analyzers

To Input Control Reference Intervals for HESKA™ Chemistry Control Lot 72962.

Inputs for Element DC™ Using the Keypad

From the Home screen:

1. Touch Mode function.
2. Touch For administrator.
3. Input [500] as the password and touch OK.
4. Touch Display settings.
5. Touch Reference interval settings.
6. Touch Control.
7. Touch Edit.
8. Make sure P/S, W is highlighted.
9. Touch the first test button (example GLU).
10. Touch Input.
11. Touch Edit.
12. Touch Clear to clear out previous lower limit.
13. Input the new lower limit from Table 1 (236 mg/dl for Glucose US units) and touch OK.
14. Touch Clear to clear out previous upper limit.
15. Input the new upper limit from Table 1 (289 mg/dl for Glucose US units) and touch OK.
16. Touch Register.
17. Check display to see that the proper interval was input.
18. Repeat steps 9 through 17 for all tests using the arrow key to change pages.
19. When finished, touch Register and then touch Register again.
20. Touch Home.

You have successfully input the new control reference intervals.

Contact Heska's Technical Support Services at **800.464.3752, option 3**, if you have any difficulty.

Inputs for Element DCX™ Using the Keypad

From the Home screen:

1. Touch .
2. Touch Mode Function for Administrator.
3. When prompted to enter a password, enter 600. Touch OK.
4. Touch Reference Interval Range Setting.
5. Touch  next to [Control].
6. Ensure P/S, W is highlighted. Touch the first test value lower limit (example, Glucose).
7. Touch Clear to clear out previous lower limit.
8. Input the new lower limit from Table 1 (236 mg/dl for Glucose US units) and touch OK.
9. Touch Clear to clear out previous upper limit.
10. Input the new upper limit from Table 1 (289 mg/dl for Glucose US units) and touch OK.
11. Repeat steps 6 through 10 for all tests using arrow key to change pages.
12. When finished touch OK twice.
13. Touch the return arrow twice.

You have successfully input the new control reference intervals.

Contact Heska's Technical Support Services at **800.464.3752, option 3**, if you have any difficulty.

Inputs for Element DC5X™ Using the Keypad

1. Touch .
2. Touch Mode Function for aAdministrator.
3. When prompted to enter a password, enter 700. Touch OK.
4. Touch Reference Interval Range Setting.
5. Touch  next to [Control].
6. Ensure P/S, W is highlighted. Touch the first test value lower limit (example, Glucose).
7. Touch Clear to clear out previous lower limit.
8. Input the new lower limit from Table 1 (236 mg/dl for Glucose US units) and touch OK.
9. Touch Clear to clear out previous upper limit.
10. Input the new upper limit from Table 1 (289 mg/dl for Glucose US units) and touch OK.
11. Repeat steps 6 through 10 for all tests using arrow key to change pages.
12. When finished touch OK twice.
13. Touch the return arrow twice.

You have successfully input the new control reference intervals.

Contact Heska's Technical Support Services at **800.464.3752, option 3**, if you have any difficulty.

Inputs for DRI-CHEM® 7000 Using the Keypad

1. Touch Mode ► 39 ► Enter.
2. Arrow down to [Input] and touch Enter.
3. Make sure [Sample =] is set to [P] (use the SAMPLE key to change, if necessary).
4. At [Test Code =] input the appropriate test code from Table 1 and touch Enter.
5. Touch ▲▼ until [Control] is displayed and touch Enter.
6. Input the new lower limit from Table 1 (236 mg/dl for Glucose US units) and touch Enter.
7. Input the new upper limit from Table 1 (289 mg/dl for Glucose US units) and touch Enter.
8. Highlight [Next] on the display and touch Enter.
9. At [Test code =] input the next test code from Table 1 and repeat steps 5–8.
10. Continue this process until all test codes have been changed.
11. Touch Stop.
12. Check printout to see that the proper intervals were input.

You have successfully input the new control reference intervals.

Contact Heska's Technical Support Services at **800.464.3752, option 3**, if you have any difficulty.

Inputs for DRI-CHEM 4000 Using the Keypad

1. Touch Mode ► 0 ► Enter.
2. Arrow down until [Administrator Mode] is displayed and touch Enter.
3. Input 4000 as the password and touch Enter.
4. Touch Mode ► 39 ► Enter.
5. At [Input Interval] touch Enter.
6. At [Test code =] input the appropriate test code from Table 1 and touch Enter (the test code for Glucose is 10).
7. Make sure [Sample] is set to [P/S].
8. Touch REF until [Control] is displayed and touch Enter.
9. Input the new lower limit from Table 1 (236 mg/dl for Glucose US units) and touch Enter.
10. Input the new upper limit from Table 1 (289 mg/dl for Glucose US units) and touch Enter.
11. Check printout to see that the proper interval was input.
12. Highlight [Next] on the display and touch Enter.
13. At [Test code =] input the next test code from Table 1 and touch Enter.
14. Repeat steps 7 through 11 for the new test code.
15. Continue this process until all test codes have been changed.
16. Highlight [End] on the display and touch Enter.
17. Touch Mode ► 0 ► Enter.
18. Arrow up until [User Mode] is displayed and touch Enter.

You have successfully input the new control reference intervals.

Contact Heska's Technical Support Services at **800.464.3752, option 3**, if you have any difficulty.

Table 1

DRI-CHEM, Element DC, Element DCX and Element DC5X Veterinary Chemistry Analyzers Test, Test Code, Low Value and High Value for HESKA Chemistry Control Lot 72962.

TEST	CODE	US UNITS*			SI UNITS**		
		LOW	HIGH	UNIT	LOW	HIGH	UNIT
Glucose	10	236	289	mg/dl	13.1	16.0	mmol/L
BUN	11	39.9	55.4	mg/dl	14.2	19.8	mmol/L
Uric Acid	13	8.8	11.5	mg/dl	523	684	μmol/L
Total Cholesterol	14	88	110	mg/dl	2.28	2.84	mmol/L
Triglyceride	16	56	91	mg/dl	0.63	1.03	mmol/L
Creatinine	17	4.2	6.0	mg/dl	371	530	μmol/L
Total Protein	18	2.2	4.0	g/dl	22	40	g/L
Albumin	20	3.4	5.0	g/dl	34	50	g/L
Total Bilirubin	21	0.2	1.3	mg/dl	3.4	22.2	μmol/L
Calcium	23	10.5	15.7	mg/dl	2.63	3.93	mmol/L
Phosphorus	24	6.5	9.0	mg/dl	2.10	2.91	mmol/L
Magnesium	28	4.6	6.4	mg/dl	1.89	2.63	mmol/L
GGT	30	160	216	U/L	160	216	U/L
GOT/AST	31	156	237	U/L	156	237	U/L
GPT/ALT	32	62	97	U/L	62	97	U/L
CK	33	423	558	U/L	423	558	U/L
LDH	34	242	367	U/L	242	367	U/L
ALP	35	251	417	U/L	251	417	U/L
Amylase	43	628	934	U/L	628	934	U/L
Lipase	44	57	97	U/L	57	97	U/L
TCO ₂ **	45	6.4	16.4	mmol/L	6.4	16.4	mmol/L
Sodium	91	116	147	mEq/L	116	147	mmol/L
Potassium	92	5.5	7.2	mEq/L	5.5	7.2	mmol/L
Chlorine	93	70	92	mEq/L	70	92	mmol/L

* Use the Low and High values for the appropriate units (US or SI) used for your analyzer.

** TCO₂ is not available on the DRI-CHEM 4000 Veterinary Chemistry Analyzer.