

Serial Number:

Value Diagnostics

Data Manual

DVM Rapid Test™ Model 942 - 525%T



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VALUE DIAGNOSTICS

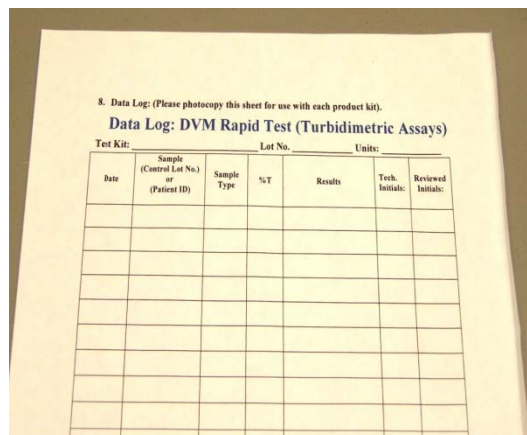
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Email: sales@valuediagnostics.com

SECTION 1

How to use this Manual

➤ **Step One:**

- Make a copy of the Data Log (located in the back of this manual).

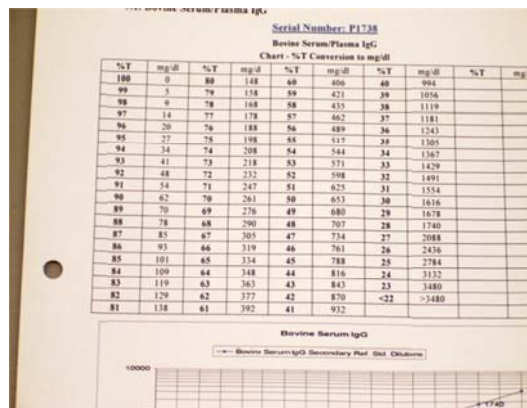


➤ **Step Two: Record test results**

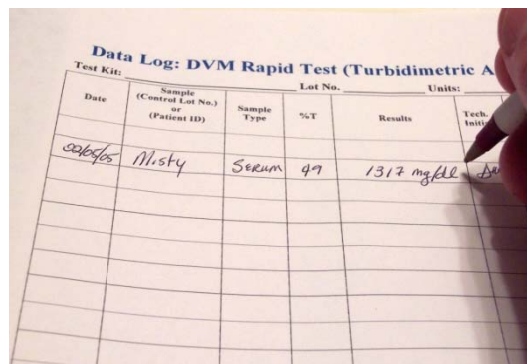
- Follow the directions provided with the test kits. Record the %T on the corresponding line of the Data Log for each sample tested.
- Repeat until all samples and/or Control(s) have been read and recorded.

➤ **Step Three: Converting %T to a numerical result**

- Locate the appropriate %T Conversion Chart in this manual. (Use the chart specific for the Test and Species being tested)



- Find the %T value on the %T Conversion Chart and record the corresponding concentration value for each sample tested.



Note: Serum IgG Controls are provided with all IgG test kits. The IgG Control should be treated in the same manner as a test sample. Follow the test procedure used for unknowns. A range of acceptable concentrations is listed on the IgG Control data sheet included with each test kit. As long as the Control value falls between these values the sample values will be accurate, repeat testing if the Control value is found to be out of range.

SECTION 2

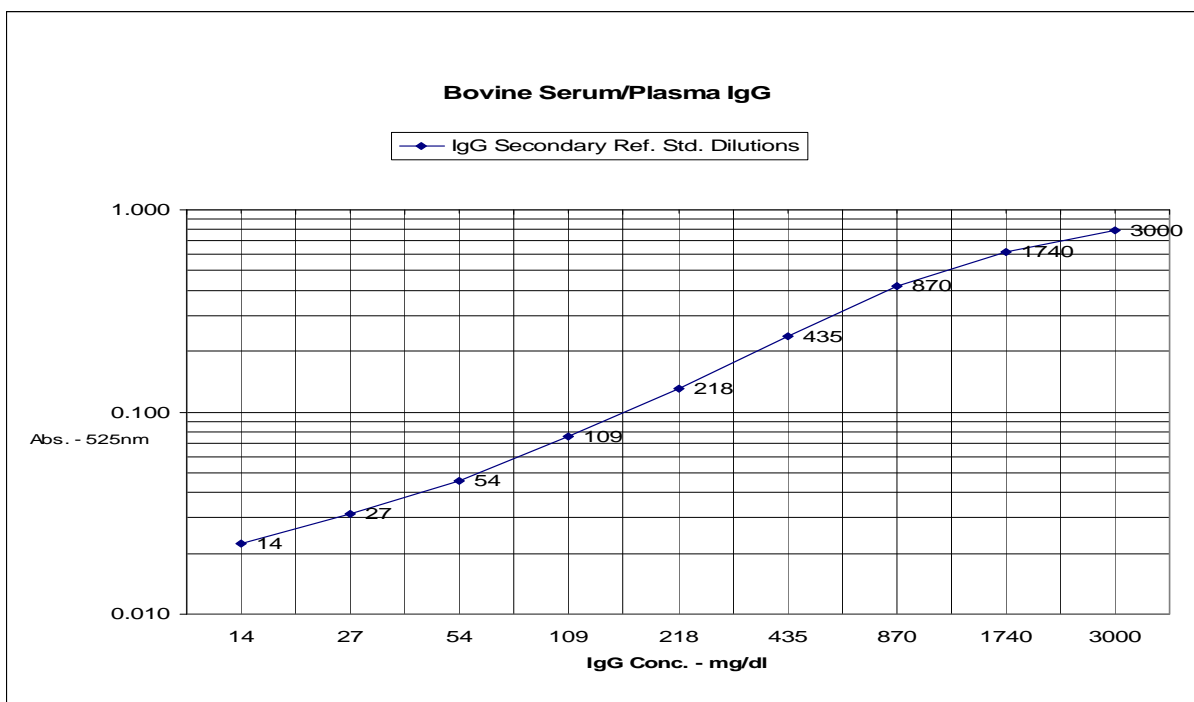
Test/Instrument Specific %T Conversion Charts

2.1 IgG Test Kits

- **Bovine Serum/Plasma IgG:**

Bovine Serum/Plasma IgG
Chart - %T Conversion to mg/dl

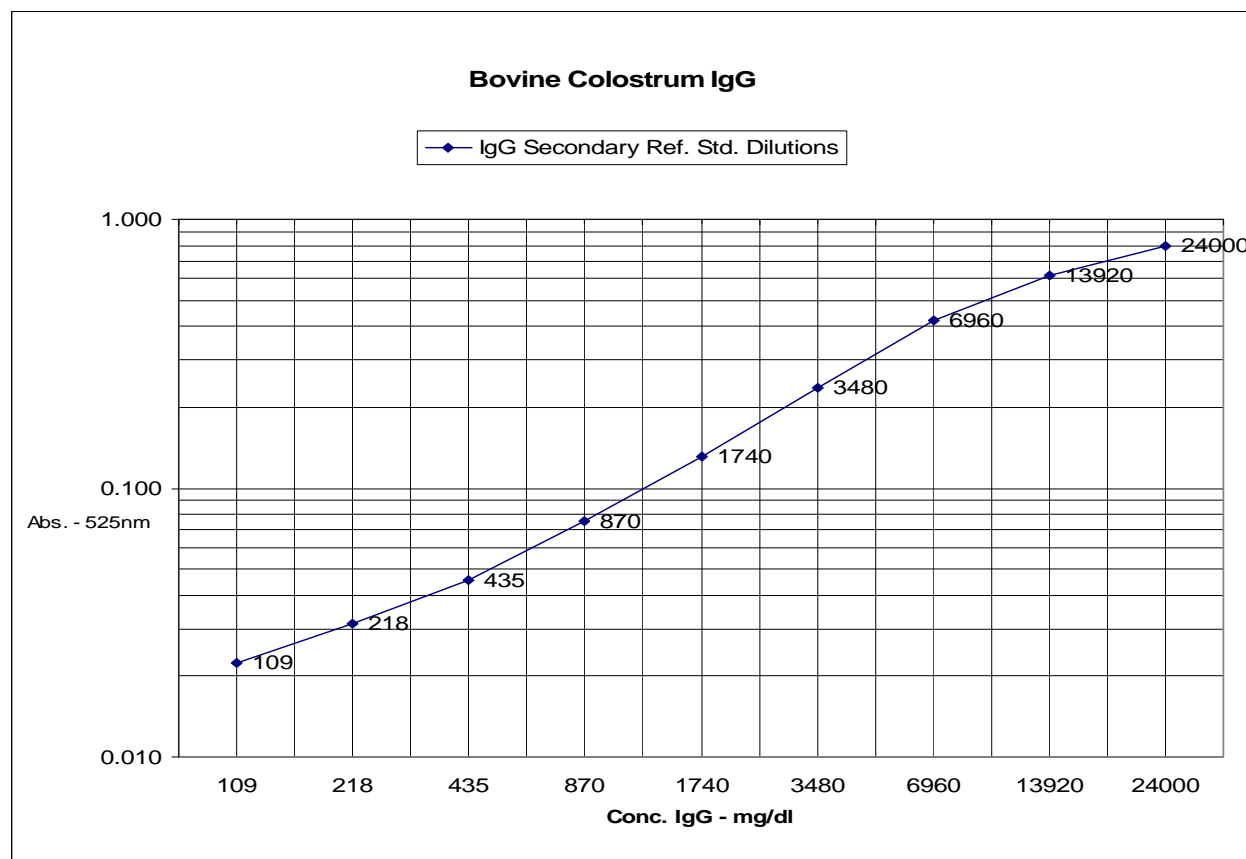
| %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl |
|-----|-------|----|-------|----|-------|----|-------|-----|-------|
| 100 | 0 | 80 | 108 | 60 | 313 | 40 | 679 | 20 | 1720 |
| 99 | 3 | 79 | 116 | 59 | 326 | 39 | 702 | 19 | 1933 |
| 98 | 5 | 78 | 125 | 58 | 339 | 38 | 724 | 18 | 2147 |
| 97 | 8 | 77 | 133 | 57 | 352 | 37 | 747 | 17 | 2360 |
| 96 | 11 | 76 | 142 | 56 | 365 | 36 | 769 | 16 | 2573 |
| 95 | 13 | 75 | 151 | 55 | 378 | 35 | 791 | 15 | 2787 |
| 94 | 16 | 74 | 159 | 54 | 391 | 34 | 814 | 14 | 3000 |
| 93 | 19 | 73 | 168 | 53 | 385 | 33 | 837 | <14 | >3000 |
| 92 | 22 | 72 | 176 | 52 | 407 | 32 | 860 | | |
| 91 | 20 | 71 | 169 | 51 | 430 | 31 | 932 | | |
| 90 | 27 | 70 | 182 | 50 | 453 | 30 | 1003 | | |
| 89 | 34 | 69 | 195 | 49 | 475 | 29 | 1075 | | |
| 88 | 37 | 68 | 208 | 48 | 498 | 28 | 1147 | | |
| 87 | 46 | 67 | 222 | 47 | 521 | 27 | 1218 | | |
| 86 | 55 | 66 | 235 | 46 | 543 | 26 | 1290 | | |
| 85 | 63 | 65 | 248 | 45 | 566 | 25 | 1362 | | |
| 84 | 72 | 64 | 261 | 44 | 588 | 24 | 1433 | | |
| 83 | 81 | 63 | 274 | 43 | 611 | 23 | 1505 | | |
| 82 | 90 | 62 | 287 | 42 | 634 | 22 | 1577 | | |
| 81 | 99 | 61 | 300 | 41 | 656 | 21 | 1648 | | |



• **Bovine Colostrum IgG:**

Bovine Colostrum IgG
Chart - %T Conversion to mg/dl

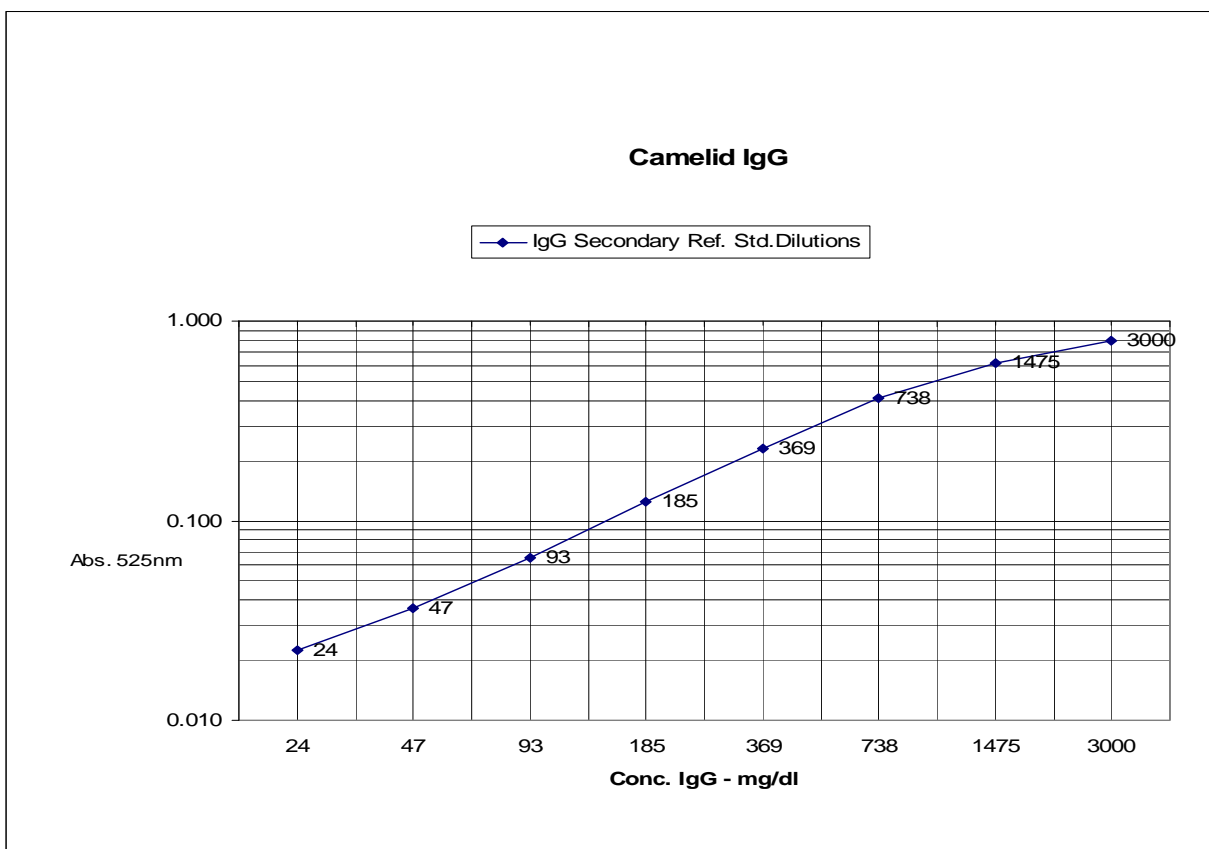
| %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl |
|-----|-------|----|-------|----|-------|----|-------|-----|--------|
| 100 | 0 | 80 | 860 | 60 | 2502 | 40 | 5432 | 20 | 13760 |
| 99 | 22 | 79 | 929 | 59 | 2606 | 39 | 5613 | 19 | 15467 |
| 98 | 43 | 78 | 998 | 58 | 2710 | 38 | 5794 | 18 | 17173 |
| 97 | 65 | 77 | 1066 | 57 | 2815 | 37 | 5975 | 17 | 18880 |
| 96 | 86 | 76 | 1135 | 56 | 2919 | 36 | 6156 | 16 | 20587 |
| 95 | 108 | 75 | 1204 | 55 | 3023 | 35 | 6337 | 15 | 22293 |
| 94 | 129 | 74 | 1273 | 54 | 3127 | 34 | 6518 | 14 | 24000 |
| 93 | 151 | 73 | 1342 | 53 | 3078 | 33 | 6699 | <14 | >24000 |
| 92 | 172 | 72 | 1410 | 52 | 3259 | 32 | 6880 | | |
| 91 | 160 | 71 | 1355 | 51 | 3440 | 31 | 7453 | | |
| 90 | 215 | 70 | 1459 | 50 | 3621 | 30 | 8027 | | |
| 89 | 270 | 69 | 1564 | 49 | 3802 | 29 | 8600 | | |
| 88 | 296 | 68 | 1668 | 48 | 3983 | 28 | 9173 | | |
| 87 | 367 | 67 | 1772 | 47 | 4164 | 27 | 9747 | | |
| 86 | 437 | 66 | 1876 | 46 | 4345 | 26 | 10320 | | |
| 85 | 508 | 65 | 1981 | 45 | 4526 | 25 | 10893 | | |
| 84 | 578 | 64 | 2085 | 44 | 4707 | 24 | 11467 | | |
| 83 | 649 | 63 | 2189 | 43 | 4888 | 23 | 12040 | | |
| 82 | 719 | 62 | 2293 | 42 | 5069 | 22 | 12613 | | |
| 81 | 791 | 61 | 2398 | 41 | 5251 | 21 | 13187 | | |



- **Camelid Serum/Plasma IgG:**

Camelid Serum/Plasma IgG
Chart - %T Conversion to mg/dl

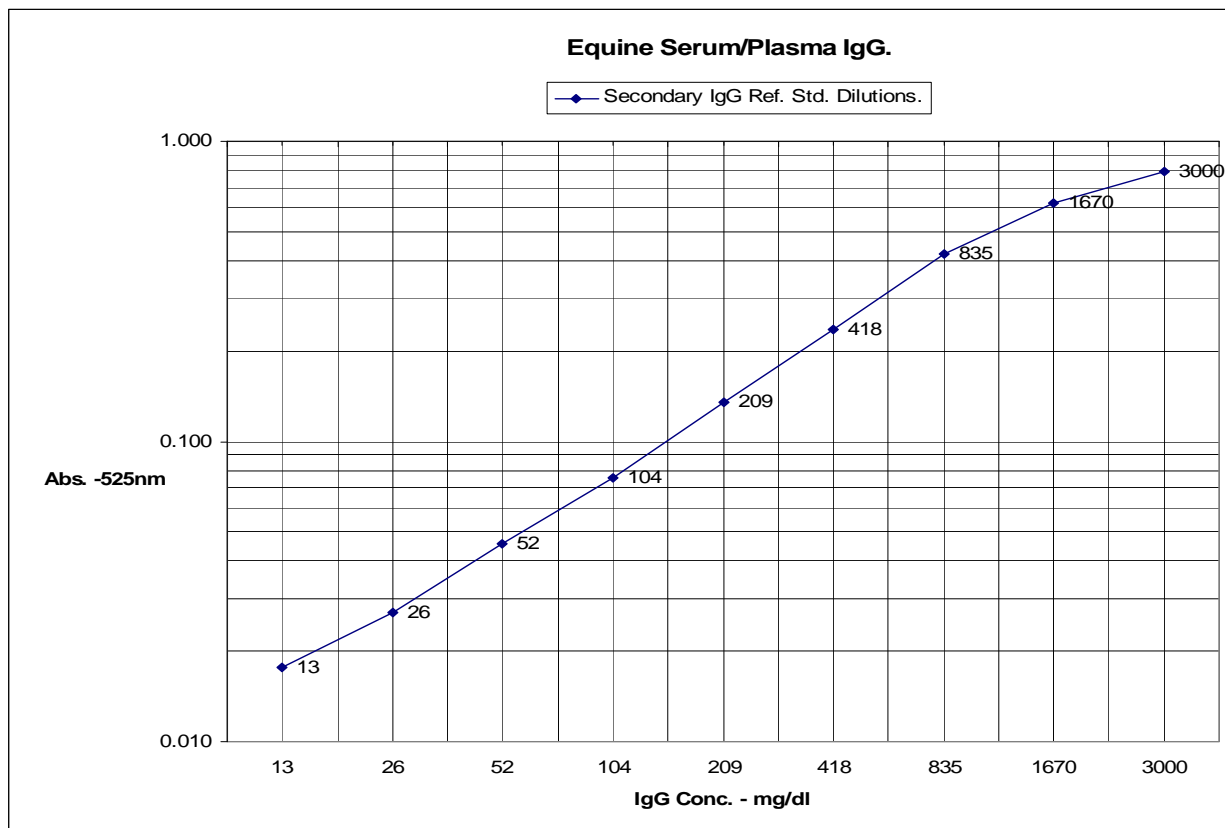
| %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl |
|-----|-------|----|-------|----|-------|----|-------|-----|-------|
| 100 | 0 | 80 | 94 | 60 | 300 | 40 | 667 | 20 | 1875 |
| 99 | 2 | 79 | 102 | 59 | 313 | 39 | 688 | 19 | 2063 |
| 98 | 5 | 78 | 111 | 58 | 325 | 38 | 708 | 18 | 2250 |
| 97 | 7 | 77 | 119 | 57 | 338 | 37 | 729 | 17 | 2438 |
| 96 | 9 | 76 | 128 | 56 | 350 | 36 | 750 | 16 | 2625 |
| 95 | 12 | 75 | 136 | 55 | 363 | 35 | 804 | 15 | 2813 |
| 94 | 14 | 74 | 145 | 54 | 375 | 34 | 857 | 14 | 3000 |
| 93 | 16 | 73 | 153 | 53 | 396 | 33 | 911 | <14 | >3000 |
| 92 | 19 | 72 | 162 | 52 | 417 | 32 | 964 | | |
| 91 | 21 | 71 | 170 | 51 | 438 | 31 | 1018 | | |
| 90 | 23 | 70 | 179 | 50 | 458 | 30 | 1071 | | |
| 89 | 29 | 69 | 188 | 49 | 479 | 29 | 1125 | | |
| 88 | 35 | 68 | 200 | 48 | 500 | 28 | 1179 | | |
| 87 | 41 | 67 | 213 | 47 | 521 | 27 | 1232 | | |
| 86 | 47 | 66 | 225 | 46 | 542 | 26 | 1286 | | |
| 85 | 55 | 65 | 238 | 45 | 563 | 25 | 1339 | | |
| 84 | 63 | 64 | 250 | 44 | 583 | 24 | 1393 | | |
| 83 | 70 | 63 | 263 | 43 | 604 | 23 | 1446 | | |
| 82 | 78 | 62 | 275 | 42 | 625 | 22 | 1500 | | |
| 81 | 86 | 61 | 288 | 41 | 646 | 21 | 1688 | | |



- **Equine Serum/Plasma IgG:**

Equine Serum/Plasma IgG
Chart - %T Conversion to mg/dl

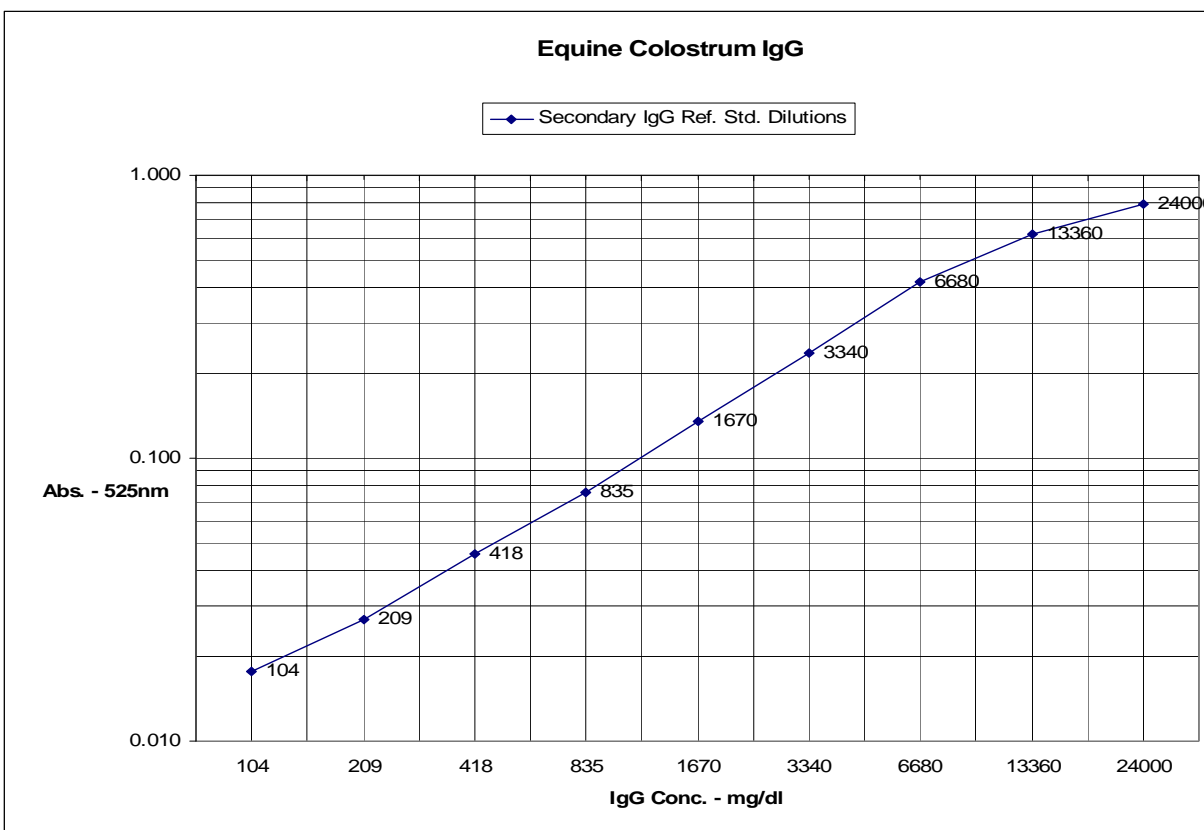
| %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl | %T | mg/dl |
|-----|-------|----|-------|----|-------|----|-------|-----|-------|
| 100 | 0 | 80 | 95 | 60 | 305 | 40 | 686 | 20 | 1855 |
| 99 | 2 | 79 | 104 | 59 | 319 | 39 | 709 | 19 | 2044 |
| 98 | 3 | 78 | 113 | 58 | 333 | 38 | 731 | 18 | 2234 |
| 97 | 5 | 77 | 121 | 57 | 347 | 37 | 754 | 17 | 2423 |
| 96 | 7 | 76 | 130 | 56 | 361 | 36 | 776 | 16 | 2613 |
| 95 | 8 | 75 | 139 | 55 | 375 | 35 | 799 | 15 | 2802 |
| 94 | 10 | 74 | 147 | 54 | 389 | 34 | 821 | 14 | 3000 |
| 93 | 11 | 73 | 156 | 53 | 403 | 33 | 866 | <14 | >3000 |
| 92 | 13 | 72 | 165 | 52 | 416 | 32 | 932 | | |
| 91 | 20 | 71 | 173 | 51 | 439 | 31 | 999 | | |
| 90 | 26 | 70 | 182 | 50 | 461 | 30 | 1066 | | |
| 89 | 33 | 69 | 191 | 49 | 484 | 29 | 1132 | | |
| 88 | 39 | 68 | 194 | 48 | 506 | 28 | 1199 | | |
| 87 | 46 | 67 | 208 | 47 | 529 | 27 | 1265 | | |
| 86 | 52 | 66 | 222 | 46 | 551 | 26 | 1332 | | |
| 85 | 59 | 65 | 236 | 45 | 574 | 25 | 1399 | | |
| 84 | 67 | 64 | 250 | 44 | 596 | 24 | 1465 | | |
| 83 | 74 | 63 | 264 | 43 | 619 | 23 | 1532 | | |
| 82 | 82 | 62 | 278 | 42 | 641 | 22 | 1598 | | |
| 81 | 89 | 61 | 291 | 41 | 664 | 21 | 1665 | | |



- Equine Colostrum IgG:**

Equine Colostrum IgG
Chart - %T Conversion to mg/dl

| %T | mg/dl | %T | mg/ml | %T | mg/ml | %T | mg/ml | %T | mg/ml |
|-----|-------|----|-------|----|-------|----|-------|-----|--------|
| 100 | 0 | 80 | 763 | 60 | 2442 | 40 | 5490 | 20 | 14836 |
| 99 | 13 | 79 | 833 | 59 | 2553 | 39 | 5670 | 19 | 16352 |
| 98 | 26 | 78 | 902 | 58 | 2664 | 38 | 5850 | 18 | 17868 |
| 97 | 39 | 77 | 971 | 57 | 2775 | 37 | 6030 | 17 | 19384 |
| 96 | 52 | 76 | 1041 | 56 | 2886 | 36 | 6210 | 16 | 20900 |
| 95 | 65 | 75 | 1110 | 55 | 2997 | 35 | 6390 | 15 | 22416 |
| 94 | 78 | 74 | 1179 | 54 | 3108 | 34 | 6570 | 14 | 24000 |
| 93 | 91 | 73 | 1249 | 53 | 3150 | 33 | 6926 | <14 | >24000 |
| 92 | 104 | 72 | 1318 | 52 | 3330 | 32 | 7459 | | |
| 91 | 156 | 71 | 1388 | 51 | 3510 | 31 | 7992 | | |
| 90 | 208 | 70 | 1457 | 50 | 3690 | 30 | 8525 | | |
| 89 | 260 | 69 | 1526 | 49 | 3870 | 29 | 9058 | | |
| 88 | 312 | 68 | 1554 | 48 | 4050 | 28 | 9590 | | |
| 87 | 364 | 67 | 1665 | 47 | 4230 | 27 | 10123 | | |
| 86 | 416 | 66 | 1776 | 46 | 4410 | 26 | 10656 | | |
| 85 | 476 | 65 | 1887 | 45 | 4590 | 25 | 11189 | | |
| 84 | 535 | 64 | 1998 | 44 | 4770 | 24 | 11722 | | |
| 83 | 595 | 63 | 2109 | 43 | 4950 | 23 | 12254 | | |
| 82 | 654 | 62 | 2220 | 42 | 5130 | 22 | 12787 | | |
| 81 | 714 | 61 | 2331 | 41 | 5310 | 21 | 13320 | | |



2.2 Sperm Concentration Test Kits

- **Bovine Sperm Concentration:**

Chart based on 25ul sample in 1ml of reagent

Chart - %T Conversion to millions/ml

| %T | millions/ml | %T | millions/ml | %T | millions/ml | %T | millions/ml |
|----|-------------|----|-------------|----|-------------|----|-------------|
| 90 | 105 | 71 | 306 | 52 | 529 | 33 | 948 |
| 89 | 116 | 70 | 316 | 51 | 551 | 32 | 970 |
| 88 | 126 | 69 | 327 | 50 | 573 | 31 | 1022 |
| 87 | 137 | 68 | 337 | 49 | 595 | 30 | 1075 |
| 86 | 148 | 67 | 348 | 48 | 617 | 29 | 1127 |
| 85 | 158 | 66 | 358 | 47 | 639 | 28 | 1179 |
| 84 | 169 | 65 | 369 | 46 | 661 | 27 | 1231 |
| 83 | 179 | 64 | 379 | 45 | 683 | 26 | 1284 |
| 82 | 190 | 63 | 390 | 44 | 705 | 25 | 1336 |
| 81 | 200 | 62 | 401 | 43 | 728 | 24 | 1388 |
| 80 | 211 | 61 | 411 | 42 | 750 | 23 | 1440 |
| 79 | 221 | 60 | 422 | 41 | 772 | 22 | 1493 |
| 78 | 232 | 59 | 432 | 40 | 794 | 21 | 1545 |
| 77 | 242 | 58 | 443 | 39 | 816 | 20 | 1597 |
| 76 | 253 | 57 | 453 | 38 | 838 | 19 | 1649 |
| 75 | 263 | 56 | 464 | 37 | 860 | 18 | 1702 |
| 74 | 274 | 55 | 474 | 36 | 882 | 17 | 1754 |
| 73 | 284 | 54 | 485 | 35 | 904 | 16 | 1806 |
| 72 | 295 | 53 | 507 | 34 | 926 | 15 | 1859 |

Notes: Samples out of range: Rerun samples as stipulated below.

- 1) If the sperm concentration reading is higher than **90 %T**, retest using the **Yellow 50ul** micropipette and **1ml** of sperm concentration reagent. **Divide the chart concentration value by 2.**
- 2) If the sperm concentration reading is lower than **15 %T**, retest using the **Orange 25ul** micropipette and **2 mls** of sperm concentration reagent. **Multiply the chart concentration value by 2.**

- **Equine Sperm Concentration:**

Chart based on 25ul sample in 1ml of reagent

Chart - %T Conversion to millions/ml

| %T | millions/ml | %T | millions/ml | %T | millions/ml | %T | millions/ml |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| 90 | 85 | 71 | 284 | 52 | 583 | 33 | 1132 |
| 89 | 93 | 70 | 299 | 51 | 599 | 32 | 1173 |
| 88 | 101 | 69 | 314 | 50 | 615 | 31 | 1213 |
| 87 | 110 | 68 | 329 | 49 | 631 | 30 | 1254 |
| 86 | 118 | 67 | 344 | 48 | 647 | 29 | 1294 |
| 85 | 127 | 66 | 359 | 47 | 663 | 28 | 1335 |
| 84 | 135 | 65 | 374 | 46 | 680 | 27 | 1375 |
| 83 | 144 | 64 | 389 | 45 | 696 | 26 | 1416 |
| 82 | 152 | 63 | 405 | 44 | 712 | 25 | 1456 |
| 81 | 161 | 62 | 421 | 43 | 728 | 24 | 1522 |
| 80 | 169 | 61 | 437 | 42 | 768 | 23 | 1588 |
| 79 | 165 | 60 | 454 | 41 | 809 | 22 | 1655 |
| 78 | 180 | 59 | 470 | 40 | 849 | 21 | 1721 |
| 77 | 179 | 58 | 486 | 39 | 890 | 20 | 1787 |
| 76 | 209 | 57 | 502 | 38 | 930 | 19 | 1853 |
| 75 | 224 | 56 | 518 | 37 | 971 | 18 | 1919 |
| 74 | 239 | 55 | 534 | 36 | 1011 | 17 | 1985 |
| 73 | 254 | 54 | 550 | 35 | 1052 | 16 | 2052 |
| 72 | 269 | 53 | 567 | 34 | 1092 | 15 | 2118 |

Notes: Samples out of range: Rerun samples as stipulated below.

- 3) If the sperm concentration reading is higher than **90 %T**, retest using the **Yellow 50ul** micropipette and **1ml** of sperm concentration reagent. **Divide the chart concentration value by 2.**
- 4) If the sperm concentration reading is lower than **15 %T**, retest using the **Orange 25ul** micropipette and **2 mls** of sperm concentration reagent. **Multiply the chart concentration value by 2.**

- **Porcine Sperm Concentration:**

Chart based on 25ul sample in 1ml of reagent

Chart - %T Conversion to millions/ml

| %T | millions/ml | %T | millions/ml | %T | millions/ml | %T | millions/ml |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| 90 | 85 | 71 | 284 | 52 | 583 | 33 | 1132 |
| 89 | 93 | 70 | 299 | 51 | 599 | 32 | 1173 |
| 88 | 101 | 69 | 314 | 50 | 615 | 31 | 1213 |
| 87 | 110 | 68 | 329 | 49 | 631 | 30 | 1254 |
| 86 | 118 | 67 | 344 | 48 | 647 | 29 | 1294 |
| 85 | 127 | 66 | 359 | 47 | 663 | 28 | 1335 |
| 84 | 135 | 65 | 374 | 46 | 680 | 27 | 1375 |
| 83 | 144 | 64 | 389 | 45 | 696 | 26 | 1416 |
| 82 | 152 | 63 | 405 | 44 | 712 | 25 | 1456 |
| 81 | 161 | 62 | 421 | 43 | 728 | 24 | 1522 |
| 80 | 169 | 61 | 437 | 42 | 768 | 23 | 1588 |
| 79 | 165 | 60 | 454 | 41 | 809 | 22 | 1655 |
| 78 | 180 | 59 | 470 | 40 | 849 | 21 | 1721 |
| 77 | 179 | 58 | 486 | 39 | 890 | 20 | 1787 |
| 76 | 209 | 57 | 502 | 38 | 930 | 19 | 1853 |
| 75 | 224 | 56 | 518 | 37 | 971 | 18 | 1919 |
| 74 | 239 | 55 | 534 | 36 | 1011 | 17 | 1985 |
| 73 | 254 | 54 | 550 | 35 | 1052 | 16 | 2052 |
| 72 | 269 | 53 | 567 | 34 | 1092 | 15 | 2118 |

Notes: Samples out of range: Rerun samples as stipulated below.

- 5) If the sperm concentration reading is higher than **90 %T**, retest using the **Yellow 50ul** micropipette and **1ml** of sperm concentration reagent. **Divide the chart concentration value by 2.**
- 6) If the sperm concentration reading is lower than **15 %T**, retest using the **Orange 25ul** micropipette and **2 mls** of sperm concentration reagent. **Multiply the chart concentration value by 2.**

2.3 SPERM CONCENTRATION REAGENT II

Sperm Concentration Reagent II

DVM Rapid Test - Canine Sperm Concentration

Product Insert

- 1) Remove one pre-filled Sperm Concentration test tube from the kit box for each sample to be tested. (Note: Perform testing one sample at a time).
- 2) Turn on the DVM-Stat by Pressing the On/Off button, the instrument will display a welcome message followed by "**Model 942 %T**", followed by "**INSERT BLANK**".
- 3) At the "**INSERT BLANK**" prompt insert one of the Pre-filled reagent tubes from step 1 into the cuvette well to blank the unit. The instrument display will read "**Reading Blank**" followed by "**Remove Blank**".
- 4) Remove the tube from the cuvette well, remove and save cap and place into the test tube rack proceed to step 5.
- 5) Pipette 25ul of your first semen sample into the tube used for blanking in steps 3 above.
 - a) Put a yellow pipette tip on the Orange 25ul micropipette.
 - b) Push the plunger down until it stops, place the tip into the sample and slowly release the plunger making sure there are no visible bubbles and carefully wipe any excess sample from outside of pipette tip.
 - c) Immerse the pipette tip containing the sample into the reagent inside the tube from step 4 and dispense by pushing the plunger up and down several times to completely rinse sample into reagent. Finally push plunger down till it stops and withdraw tip from reagent and discard.
 - d) Cap the tubes and gently mix by inversion (5 times).
- 6) At the "**INSERT SAMPLE**" prompt place the sample tube into the cuvette well. The unit will read the sample and display the %T. Record this value on a copy of the **Data Log** included with the instrument data manual. Remove the sample tube and discard.
- 7) Repeat steps 3 through 6 until all samples are read.
- 8) Locate the appropriate %T Conversion Chart in your DVM Rapid Test™ Data Manual. (Use the chart specific for the Test and Species being tested); the corresponding concentration value in millions/ml is listed for each %T value.

Notes: Samples out of range: Rerun samples as stipulated below.

- 7) If the sperm concentration reading is higher than **90 %T**, retest using the **Yellow 50ul** micropipette and a fresh pre-filled reagent tube. **Divide the chart concentration value by 2.**
- 8) If the sperm concentration reading is lower than **15 %T**, **dilute sample 1:2 with buffered saline** retest using the **Orange 25ul** micropipette. **Multiply the chart concentration value by 2.**

Canine Sperm Concentration:

Chart based on 25ul sample in 1ml of reagent

Chart - %T Conversion to millions/ml

| %T | millions/ml | %T | millions/ml | %T | millions/ml | %T | millions/ml |
|----|-------------|----|-------------|----|-------------|----|-------------|
| 90 | 83 | 71 | 247 | 52 | 473 | 33 | 903 |
| 89 | 91 | 70 | 258 | 51 | 495 | 32 | 946 |
| 88 | 99 | 69 | 269 | 50 | 516 | 31 | 989 |
| 87 | 108 | 68 | 280 | 49 | 538 | 30 | 1032 |
| 86 | 116 | 67 | 290 | 48 | 559 | 29 | 1075 |
| 85 | 124 | 66 | 301 | 47 | 581 | 28 | 1118 |
| 84 | 132 | 65 | 312 | 46 | 602 | 27 | 1161 |
| 83 | 141 | 64 | 323 | 45 | 624 | 26 | 1204 |
| 82 | 149 | 63 | 333 | 44 | 645 | 25 | 1247 |
| 81 | 157 | 62 | 344 | 43 | 667 | 24 | 1290 |
| 80 | 165 | 61 | 355 | 42 | 688 | 23 | 1333 |
| 79 | 174 | 60 | 366 | 41 | 710 | 22 | 1376 |
| 78 | 182 | 59 | 376 | 40 | 731 | 21 | 1419 |
| 77 | 190 | 58 | 387 | 39 | 753 | 20 | 1462 |
| 76 | 198 | 57 | 398 | 38 | 774 | 19 | 1505 |
| 75 | 207 | 56 | 409 | 37 | 796 | 18 | 1548 |
| 74 | 215 | 55 | 419 | 36 | 817 | 17 | 1591 |
| 73 | 226 | 54 | 430 | 35 | 839 | 16 | 1634 |
| 72 | 237 | 53 | 452 | 34 | 860 | 15 | 1677 |

Notes: Samples out of range: Rerun samples as stipulated below.

- If the sperm concentration reading is higher than **90 %T**, retest using the **Yellow 50ul** micropipette and a fresh pre-filled reagent tube. **Divide the chart concentration value by 2.**
- If the sperm concentration reading is lower than **15 %T**, **dilute sample 1:2 with buffered saline** retest using the **Orange 25ul** micropipette and a fresh pre-filled reagent tube. **Multiply the chart concentration value by 2.**

SECTION 3

Data Log: DVM Rapid Test™ (Turbidimetric Assays)

(Please photocopy this sheet for use with each product kit).

Test Kit: _____ Lot No. _____ Units: _____

| Date | Sample (Control Lot No.) or (Patient ID) | Sample Type | %T | Results | Tech. Initials: | Reviewer Initials: |
|------|---|----------------|----|---------|--------------------|-----------------------|
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