

Date: 22/09/2022

CALIBRATION CERTIFICATE

This is to state that the hematology cell counter model **HORIBA Medical: YUMIZEN H550**, bearing **Serial no: 110YAXH03536** at **REDCLIFF LIFETECH, BANGALORE** was calibrated with Calibrator on **14th NOVEMBER 2022**. Subsequently controls were processed and found them in respective range.


Calibrator Used: **ABX MINOCAL**

Lot No.: **CX 474**

Expiry Date: **05/10/2022**

| SL. No. | Tested Parameter | Remarks |
|---------|--------------------------|---------|
| 1 | Repeatability/ Precision | Passed |
| 2 | Start up/Blank Cycle | Passed |
| 3 | Calibration | Passed |
| 4 | Quality Control | Passed |

Next calibration Cycle is due on **13th NOVEMBER 2023**


Mithun krishna c u



Customer Support Engineer,
Horiba Medical.

Blank Cycle Logs

| Running Date | Operator | WBC 10 ⁹ /uL | RBC 10 ⁹ /uL | HGB g/dL | PLT 10 ⁹ /uL | Status | Technical alarms |
|------------------------|------------|----------------------------|----------------------------|-------------|----------------------------|--------|------------------|
| 09/14/2022 01:48:03 PM | technician | 0.28 | 0.00 | 0.0 | 4 | Passed | |
| 09/14/2022 01:47:53 PM | technician | 0.12 | 0.00 | 0.0 | 0 | Passed | |
| 09/14/2022 01:49:51 PM | technician | 0.10 | 0.00 | 0.0 | 1 | Passed | |
| 09/14/2022 01:51:55 PM | technician | 0.09 | 0.00 | 0.0 | 1 | Passed | |

Repeatability Report (part 1)

Number of repeatability run report selected for statistic calculation 10/11

| Coefficient | WBC (10 ³ /μL) | RBC (10 ⁶ /μL) | HGB (g/dL) | HCT (%) | PLT (10 ³ /μL) | MCV (μm ³) | RDW-CV (%) | RDW-SD (μm ³) | P-LCR (%) |
|-------------|------------------------------|------------------------------|---------------|------------|------------------------------|---------------------------|---------------|------------------------------|--------------|
| Minimum | 6.75 | 5.23 | 15.9 | 46.0 | 271 | 87.5 | 10.8 | 42.0 | 28.2 |
| Maximum | 7.18 | 5.43 | 16.3 | 47.7 | 286 | 88.3 | 11.2 | 43.7 | 30.5 |
| Mean | 6.95 | 5.34 | 16.1 | 46.9 | 275 | 87.9 | 10.9 | 42.8 | 29.2 |
| Difference | 0.44 | 0.20 | 0.4 | 1.7 | 15 | 0.8 | 0.4 | 1.7 | 2.3 |
| 2 SD | 0.25 | 0.13 | 0.2 | 1.1 | 9 | 0.5 | 0.2 | 0.8 | 1.3 |
| CV(%) | 1.79 | 1.20 | 0.72 | 1.17 | 1.68 | 0.28 | 0.90 | 0.92 | 2.29 |

| Run Date & Time | WBC (10 ³ /μL) | RBC (10 ⁶ /μL) | HGB (g/dL) | HCT (%) | PLT (10 ³ /μL) | MCV (μm ³) | RDW-CV (%) | RDW-SD (μm ³) | P-LCR (%) | Operator |
|-------------------------|------------------------------|------------------------------|---------------|------------|------------------------------|---------------------------|---------------|------------------------------|--------------|------------|
| 9/14/2022 2:17:26 PM | 6.98 | 5.36 | 16.1 | 46.9 | 276 | 87.6 | 10.8 | 42.0 | 28.8 | technician |
| 9/14/2022 2:19:32 PM | 6.75 | 5.32 | 16.0 | 46.6 | 275 | 87.6 | 11.0 | 42.8 | 28.9 | technician |
| 9/14/2022 2:21:44 PM | 6.83 | 5.27 | 16.0 | 46.3 | 278 | 87.9 | 11.2 | 43.7 | 29.3 | technician |
| 9/14/2022 2:23:30 PM | 7.01 | 5.36 | 16.2 | 47.2 | 272 | 88.1 | 10.9 | 42.8 | 28.2 | technician |
| 9/14/2022 2:25:28 PM | 6.92 | 5.38 | 16.1 | 47.3 | 286 | 87.9 | 11.0 | 42.8 | 28.9 | technician |
| 9/14/2022 2:27:17 PM | 7.04 | 5.28 | 15.9 | 46.6 | 273 | 88.3 | 10.9 | 42.8 | 29.2 | technician |
| 9/14/2022 2:29:03 PM | 6.86 | 5.43 | 16.2 | 47.7 | 279 | 87.9 | 10.9 | 42.8 | 29.4 | technician |
| 9/14/2022 2:31:02 PM | 7.01 | 5.39 | 16.2 | 47.6 | 271 | 88.2 | 10.9 | 42.8 | 28.5 | technician |
| 9/14/2022 2:35:37 PM | 6.92 | 5.39 | 16.3 | 47.2 | 272 | 87.5 | 10.8 | 42.0 | 29.9 | technician |
| 9/14/2022 2:37:33 PM | 7.18 | 5.31 | 16.2 | 46.7 | 272 | 88.0 | 10.9 | 42.8 | 29.4 | technician |
| 9/14/2022 2:39:19 PM | 7.00 | 5.23 | 16.1 | 46.0 | 275 | 88.0 | 10.9 | 42.8 | 30.5 | technician |

Repeatability Report (part 2)

Number of repeatability run report selected for statistic calculation 10/11

| Coefficient | NEU% (%) | LYM% (%) | MON% (%) | EOS% (%) | BAS% (%) | LIC% (%) |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Minimum | 52.8 | 32.8 | 7.9 | 1.3 | 0.9 | 0.4 |
| Maximum | 55.3 | 35.1 | 9.5 | 1.7 | 1.5 | 0.8 |
| Mean | 54.4 | 33.9 | 9.0 | 1.5 | 1.2 | 0.6 |
| Difference | 2.5 | 2.3 | 1.6 | 0.4 | 0.6 | 0.4 |
| 2 SD | 1.3 | 1.5 | 1.0 | 0.3 | 0.4 | 0.3 |
| CV(%) | 1.24 | 2.20 | 5.62 | 8.89 | 16.73 | 23.57 |

| Run Date & Time | NEU% (%) | LYM% (%) | MON% (%) | EOS% (%) | BAS% (%) | LIC% (%) | Operator |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| 09/14/2022 02:17:26 PM | 54.4 | 32.9 | 9.7 | 1.6 | 1.4 | 0.3 | technician |
| 09/14/2022 02:19:32 PM | 54.1 | 33.7 | 9.1 | 1.6 | 1.5 | 0.7 | technician |
| 09/14/2022 02:21:44 PM | 54.3 | 33.6 | 9.2 | 1.6 | 1.3 | 0.4 | technician |
| 09/14/2022 02:23:30 PM | 52.8 | 34.6 | 9.4 | 1.7 | 1.5 | 0.6 | technician |
| 09/14/2022 02:25:28 PM | 54.4 | 34.0 | 9.2 | 1.3 | 1.1 | 0.4 | technician |
| 09/14/2022 02:27:17 PM | 54.7 | 34.6 | 8.3 | 1.3 | 1.1 | 0.5 | technician |
| 09/14/2022 02:29:03 PM | 54.4 | 33.4 | 9.5 | 1.4 | 1.3 | 0.5 | technician |
| 09/14/2022 02:31:02 PM | 54.1 | 34.3 | 9.1 | 1.5 | 1.0 | 0.7 | technician |
| 09/14/2022 02:35:37 PM | 55.3 | 33.0 | 9.0 | 1.6 | 1.1 | 0.8 | technician |
| 09/14/2022 02:37:33 PM | 54.6 | 35.1 | 7.9 | 1.5 | 0.9 | 0.7 | technician |
| 09/14/2022 02:39:19 PM | 55.1 | 32.8 | 9.3 | 1.5 | 1.3 | 0.7 | technician |

Calibration Report

Sample ID CX474
Lot number CX474

Name MINOCAL

Exp. date 10/05/2022
Modified on

| Coefficient | WBC | RBC | HGB | HCT | PLT | MPV |
|-------------|-------|-------|-------|-------|-------|-------|
| New | 1.118 | 0.955 | 0.997 | 1.039 | 0.990 | 0.957 |
| Current | 1.118 | 0.977 | 1.028 | 1.059 | 1.100 | 0.957 |
| Target | 8.85 | 4.54 | 12.9 | 37.7 | 253 | 10.4 |
| Mean | 8.88 | 4.33 | 12.6 | 35.2 | 246 | 10.9 |
| CV(%) | 1.72 | 1.37 | 0.91 | 1.18 | 1.91 | 0.65 |

Number of calibration run selected for coefficient calculation (minimum 5) 5/6

| Run Time | WBC (10 ³ /μL) | RBC (10 ⁶ /μL) | HGB (g/dL) | HCT (%) | PLT (10 ³ /μL) | MPV (μm ³) |
|---------------------|------------------------------|------------------------------|---------------|------------|------------------------------|---------------------------|
| 14/2022 03:43:22 PM | 8.59 I | 4.32 I | 12.7 I | 35.2 I | 252 | 10.8 |
| 14/2022 03:45:59 PM | 8.82 | 4.26 I | 12.5 I | 34.9 I | 242 I | 10.9 h |
| 14/2022 03:48:59 PM | 8.72 | 4.30 I | 12.6 I | 35.0 I | 241 I | 10.8 |
| 14/2022 03:51:05 PM | 8.77 | 4.29 I | 12.5 I | 34.8 I | 250 | 10.8 |
| 14/2022 03:53:42 PM | 8.96 | 4.41 I | 12.7 | 35.8 I | 246 | 11.0 h |
| 14/2022 03:55:56 PM | 9.10 h | 4.37 I | 12.7 | 35.4 I | 252 | 11.0 h |

QC - Control Run Report

Run Date 09/14/2022 04:27:45 PM

Operator technician

Name ABXdifftrol H

Sample ID PX437H

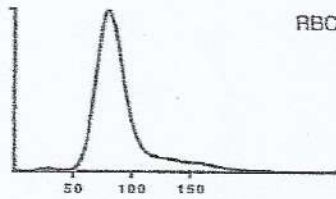
Level High

Exp. date 11/05/2022

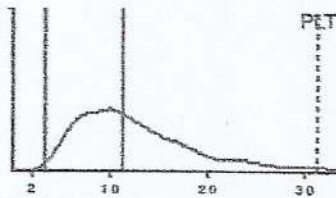
Lot number PX437H

| | | Range |
|----|------|---------------------------------|
| IC | 5.44 | 10 ⁶ /μL 5.05 - 5.55 |
| iB | 16.5 | g/dL 15.9 - 17.1 |
| CT | 50.7 | % 47.1 - 52.1 |
| CV | 93.1 | μm ³ 88.5 - 98.5 |
| CH | 30.3 | pg 28.6 - 33.6 |
| IC | 32.5 | g/dL 30.3 - 36.3 |
| CV | 10.8 | % 10.0 - 18.0 |

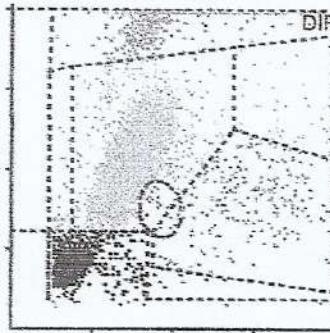
Alarms



| | | Range |
|----|------|-------------------------------|
| CT | 496 | 10 ³ /μL 443 - 543 |
| CV | 11.0 | μm ³ 9.5 - 13.5 |



| | | Range | | Range |
|----|-------|-----------------------------------|------|-------------|
| IC | 18.53 | 10 ³ /μL 16.10 - 20.50 | | |
| | # | Range | % | Range |
| U | 13.91 | 11.61 - | 75.2 | 63.8 - 83.8 |
| M | 3.23 | 1.59 - 4.59 | 17.4 | 8.9 - 24.9 |
| N | 0.47 | 0.03 - 1.15 | 2.5 | 0.1 - 6.3 |
| S | 0.89 | 0.00 - 1.72 | 4.8 | 0.0 - 9.4 |
| S | 0.03 | 0.00 - 0.52 | 0.1 | 0.0 - 2.8 |



Raw Data

| Counts (by sections) | | | | | | RBC counts (by sections) | | | | | |
|---------------------------------|-------|------|------|------|--|----------------------------------|------|------|------|------|------|
| S2 | S3 | S4 | S5 | S6 | | S1 | S2 | S3 | S4 | S5 | S6 |
| 390 | 394 | 448 | 411 | 467 | | 4734 | 4743 | 4860 | 4800 | 4773 | 4768 |
| S8 | S9 | S10 | S11 | S12 | | S7 | S8 | S9 | S10 | S11 | S12 |
| 433 | 386 | 434 | 468 | 441 | | 4688 | 4600 | 4706 | 4743 | 4698 | 4681 |
| Counts (by sections) and others | | | | | | HBG measures (Optical intensity) | | | | | |
| S2 | S3 | S4 | S5 | S6 | | L11 | L12 | L13 | L14 | L15 | L16 |
| 1159 | 1229 | 1289 | 1199 | 1160 | | 3725 | 3718 | 3728 | 619 | 619 | 618 |
| S8 | S9 | S10 | S11 | | | L17 | L18 | L19 | L110 | L111 | L112 |
| 1235 | 1243 | 1162 | 1202 | | | 619 | 618 | 619 | 619 | 619 | 619 |
| measured : | 11035 | | | | | L113 | | | | | |
| related : | 11008 | | | | | 619 | | | | | |
| intensity : | 193 | | | | | | | | | | |

QC - Control Run Report

Run Date 09/14/2022 04:13:58 PM

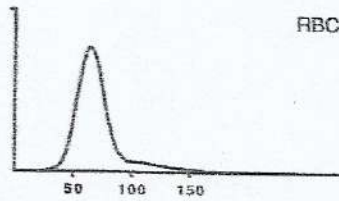
Operator technician

Name ABXdiffrol L
Level Low
Lot number PX437L

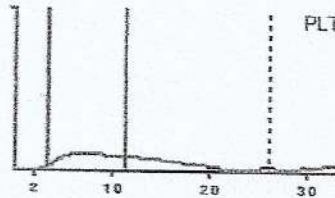
Sample ID PX437L
Exp. date 11/05/2022

| | | | Range |
|------|------|---------------------|-------------|
| RBC | 2.41 | 10 ⁶ /μL | 2.20 - 2.52 |
| HGB | 6.0 | g/dL | 5.5 - 6.3 |
| HCT | 17.8 | % | 16.3 - 19.3 |
| MCV | 73.8 | μm ³ | 70.5 - 80.5 |
| MCH | 24.8 | pg | 23.0 - 27.0 |
| MCHC | 33.6 | g/dL | 30.1 - 36.1 |
| W-CV | 13.4 | % | 12.5 - 20.5 |

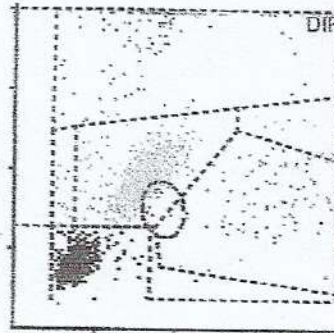
Alarms



| | | | Range |
|-----|------|---------------------|------------|
| PLT | 69 | 10 ³ /μL | 48 - 88 |
| MPV | 10.5 | μm ³ | 8.8 - 12.8 |



| | | | Range | | Range |
|-----|------|---------------------|-------------|-------------|-------|
| WBC | 3.36 | 10 ³ /μL | 2.70 - 3.50 | | |
| | # | Range | % | Range | |
| NEU | 1.62 | 1.10 - 1.80 | 48.2 | 36.8 - 56.8 | |
| LYM | 1.24 | 0.84 - 1.50 | 36.9 | 25.9 - 49.9 | |
| MON | 0.17 | 0.00 - 0.38 | 5.0 | 0.2 - 11.8 | |
| EOS | 0.31 | 0.00 - 0.42 | 9.2 | 0.0 - 13.4 | |
| BAS | 0.02 | 0.00 - 0.16 | 0.7 | 0.0 - 5.2 | |



Raw Data

counts (by sections)

| | | | | |
|-----|-----|-----|-----|-----|
| S2 | S3 | S4 | S5 | S6 |
| 101 | 99 | 92 | 109 | 114 |
| S8 | S9 | S10 | S11 | S12 |
| 87 | 108 | 100 | 114 | 117 |

RBC counts (by sections)

| | | | | | |
|------|------|------|------|------|------|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 2344 | 2315 | 2213 | 2301 | 2332 | 2380 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 2286 | 2292 | 2367 | 2341 | 2289 | 2316 |

counts (by sections) and others

| | | | | |
|-----|-----|-----|-----|-----|
| S2 | S3 | S4 | S5 | S6 |
| 252 | 213 | 202 | 210 | 228 |
| S8 | S9 | S10 | S11 | |
| 246 | 213 | 219 | 202 | |

HGB measures (Optical intensity)

| | | | | | |
|------|------|------|------|------|------|
| L11 | L12 | L13 | L14 | L15 | L16 |
| 3759 | 3758 | 3758 | 1894 | 1894 | 1893 |
| L17 | L18 | L19 | L110 | L111 | L112 |
| 1894 | 1893 | 1894 | 1893 | 1894 | 1894 |
| L113 | | | | | |
| 1894 | | | | | |

Measured : 2306
Correlated : 2277
Hb intensity : 193

QC - Control Run Report

Run Date 09/14/2022 04:56:59 PM

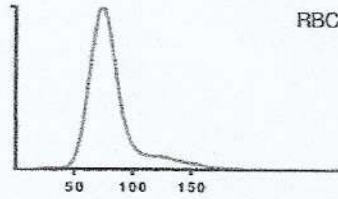
Operator technician

Name ABXdifftrol N
Level Normal
Lot number PX437N

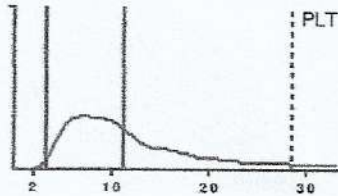
Sample ID PX437N
Exp. date 11/05/2022

| | | | Range |
|------|------|---------------------|-------------|
| RBC | 4.66 | 10 ⁶ /μL | 4.50 - 4.90 |
| HGB | 13.4 | g/dL | 12.8 - 13.8 |
| HCT | 39.6 | % | 38.4 - 42.4 |
| MCV | 85.1 | μm ³ | 81.0 - 91.0 |
| MCH | 28.8 | pg | 26.3 - 30.3 |
| MCHC | 33.9 | g/dL | 29.9 - 35.9 |
| W-CV | 11.7 | % | 10.5 - 18.5 |

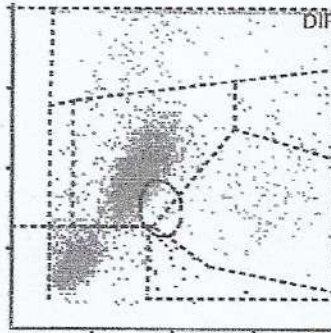
Alarms



| | | | Range |
|-----|------|---------------------|------------|
| PLT | 231 | 10 ³ /μL | 208 - 268 |
| MPV | 10.2 | μm ³ | 8.3 - 12.3 |



| | | | Range | | Range |
|-----|------|---------------------|-------------|------|-------------|
| WBC | 8.42 | 10 ³ /μL | 7.30 - 9.30 | | |
| | # | | Range | % | Range |
| NEU | 4.29 | | 3.41 - 5.21 | 51.1 | 41.9 - 61.9 |
| LYM | 3.30 | | 2.51 - 3.91 | 39.1 | 30.7 - 46.7 |
| MON | 0.29 | | 0.02 - 0.66 | 3.4 | 0.2 - 8.0 |
| EOS | 0.48 | | 0.00 - 0.68 | 5.7 | 0.0 - 8.2 |
| BAS | 0.06 | | 0.00 - 0.20 | 0.7 | 0.0 - 2.4 |



Raw Data

*** counts (by sections)**

| | S2 | S3 | S4 | S5 | S6 |
|----|-----|-----|-----|-----|-----|
| 1 | | | | | |
| 32 | 228 | 231 | 225 | 233 | 253 |
| 7 | S8 | S9 | S10 | S11 | S12 |
| 30 | 230 | 227 | 217 | 243 | 265 |

RBC counts (by sections)

| | S1 | S2 | S3 | S4 | S5 | S6 |
|--|------|------|------|------|------|------|
| | 4152 | 4172 | 4153 | 4135 | 4180 | 4181 |
| | S7 | S8 | S9 | S10 | S11 | S12 |
| | 4075 | 4180 | 4107 | 4141 | 4167 | 4076 |

C counts (by sections) and others

| | S2 | S3 | S4 | S5 | S6 |
|----|-----|-----|-----|-----|-----|
| 1 | | | | | |
| 33 | 559 | 550 | 537 | 571 | 550 |
| 7 | S8 | S9 | S10 | S11 | |
| 37 | 553 | 542 | 543 | 554 | |

HBG measures (Optical intensity)

| | LI1 | LI2 | LI3 | LI4 | LI5 | LI6 |
|--|------|------|------|------|------|------|
| | 3761 | 3760 | 3760 | 851 | 851 | 851 |
| | LI7 | LI8 | LI9 | LI10 | LI11 | LI12 |
| | 850 | 849 | 850 | 850 | 849 | 849 |
| | LI13 | | | | | |
| | 849 | | | | | |

RMeasured : 5562
Correlated : 5530
cal intensity 193

QC - Control Run Report

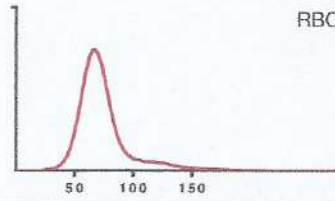
Run Date 29/12/2022 08:35:21 AM

Operator REDCLIFFE

Name ABXdiffrol L
Level Low
Lot number PX439L

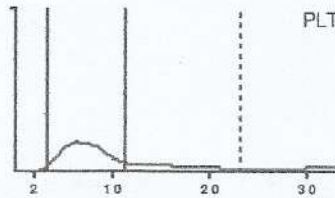
Sample ID PX439L
Exp. date 05/03/2023

| | | | Range |
|--------|------|---------------------|-------------|
| RBC | 2.39 | 10 ⁶ /μL | 2.22 - 2.54 |
| HGB | 5.8 | g/dL | 5.6 - 6.4 |
| HCT | 18.7 | % | 16.8 - 19.8 |
| MCV | 78.3 | μm ³ | 72.0 - 82.0 |
| MCH | 24.5 | pg | 23.2 - 27.2 |
| MCHC | 31.3 | g/dL | 29.7 - 35.7 |
| RDW-CV | 17.0 | % | 10.0 - 18.0 |

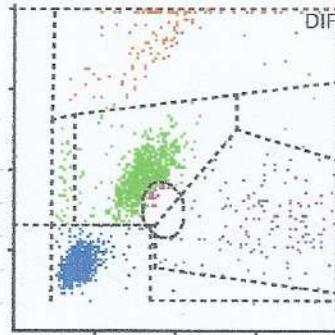


Alarms

| | | | Range |
|-----|-----|---------------------|------------|
| PLT | 79 | 10 ³ /μL | 51 - 91 |
| MPV | 9.3 | μm ³ | 6.9 - 10.9 |



| | | | Range |
|-----|------|---------------------|-------------|
| WBC | 2.88 | 10 ³ /μL | 2.40 - 3.20 |
| | # | | |
| NEU | 1.31 | 0.97 - 1.67 | 45.5 |
| LYM | 1.09 | 0.77 - 1.43 | 38.0 |
| MON | 0.22 | 0.00 - 0.42 | 7.6 |
| EOS | 0.23 | 0.00 - 0.28 | 8.0 |
| BAS | 0.03 | 0.00 - 0.06 | 0.9 |



Raw Data

PLT counts (by sections)

| | | | | | |
|-----|----|-----|-----|-----|-----|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 85 | 94 | 87 | 122 | 113 | 103 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 106 | 94 | 105 | 99 | 117 | 96 |

RBC counts (by sections)

| | | | | | |
|------|------|------|------|------|------|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 2218 | 2212 | 2137 | 2155 | 2208 | 2145 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 2228 | 2261 | 2206 | 2185 | 2200 | 2204 |

WBC counts (by sections) and others

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 222 | 218 | 183 | 184 | 199 | 175 |
| S7 | S8 | S9 | S10 | S11 | |
| 203 | 194 | 184 | 212 | 227 | |

HGB measures (Optical intensity)

| | | | | | |
|------|------|------|------|------|------|
| LI1 | LI2 | LI3 | LI4 | LI5 | LI6 |
| 3611 | 3596 | 3643 | 1849 | 1848 | 1849 |
| LI7 | LI8 | LI9 | LI10 | LI11 | LI12 |
| 1848 | 1848 | 1848 | 1848 | 1848 | 1848 |
| LI13 | | | | | |
| 1849 | | | | | |

RMeasured : 2107
Correlated : 2095
Optical intensity : 189

Handwritten signature: Houshyar
29/12/2022

QC - Control Run Report

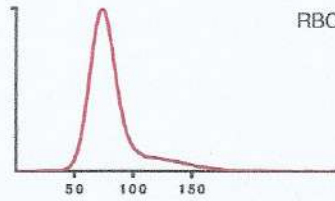
Run Date 29/12/2022 08:40:45 AM

Operator REDCLIFFE

Name ABXdiffrol N
 Level Normal
 Lot number PX439N

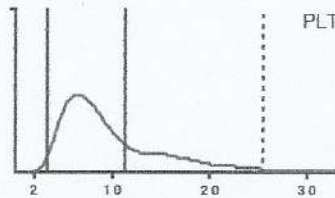
Sample ID PX439N
 Exp. date 05/03/2023

| | | | Range |
|--------|------|---------------------|-------------|
| RBC | 4.75 | 10 ⁶ /μL | 4.42 - 4.82 |
| HGB | 13.5 | g/dL | 12.9 - 13.9 |
| HCT | 41.2 | % | 38.2 - 42.2 |
| MCV | 86.6 | μm ³ | 82.0 - 92.0 |
| MCH | 28.5 | pg | 27.0 - 31.0 |
| MCHC | 32.8 | g/dL | 30.3 - 36.3 |
| RDW-CV | 13.9 | % | 10.0 - 18.0 |

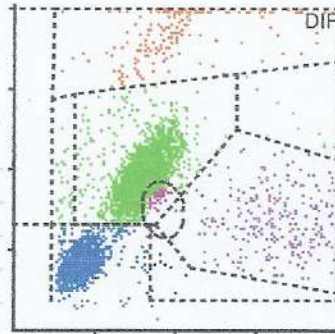


Alarms

| | | | Range |
|-----|-----|---------------------|------------|
| PLT | 262 | 10 ³ /μL | 226 - 286 |
| MPV | 9.3 | μm ³ | 7.1 - 11.1 |



| WBC | 8.17 | 10 ³ /μL | 7.20 - 9.20 | |
|-----|------|---------------------|-------------|-------------|
| | # | Range | % | Range |
| NEU | 3.83 | 2.98 - 4.78 | 46.9 | 37.3 - 57.3 |
| LYM | 3.46 | 2.85 - 4.25 | 42.3 | 35.3 - 51.3 |
| MON | 0.44 | 0.00 - 0.86 | 5.4 | 0.0 - 10.4 |
| EOS | 0.35 | 0.00 - 0.50 | 4.3 | 0.0 - 6.2 |
| BAS | 0.09 | 0.00 - 0.18 | 1.1 | 0.0 - 2.2 |



Raw Data

PLT counts (by sections)

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 218 | 229 | 243 | 250 | 257 | 266 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 219 | 211 | 223 | 240 | 261 | 284 |

RBC counts (by sections)

| | | | | | |
|------|------|------|------|------|------|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 4006 | 4097 | 3924 | 4015 | 4094 | 4140 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 4068 | 4074 | 3998 | 4089 | 3968 | 4149 |

WBC counts (by sections) and others

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 692 | 511 | 538 | 581 | 539 | 524 |
| S7 | S8 | S9 | S10 | S11 | |
| 582 | 568 | 596 | 535 | 567 | |

HGB measures (Optical Intensity)

| | | | | | |
|------|------|------|------|------|------|
| LI1 | LI2 | LI3 | LI4 | LI5 | LI6 |
| 3643 | 3642 | 3641 | 817 | 818 | 818 |
| LI7 | LI8 | LI9 | LI10 | LI11 | LI12 |
| 818 | 818 | 819 | 819 | 818 | 818 |
| LI13 | | | | | |
| 818 | | | | | |

RMeasured : 5466
 Correlated : 5432
 Optical intensity : 189

Handwritten signature and date:
 29/12/2022

QC - Control Run Report

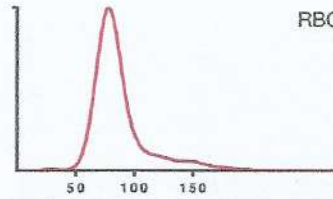
Run Date 29/12/2022 08:38:38 AM

Operator REDCLIFFE

Name ABXdifftrol H
Level High
Lot number PX439H

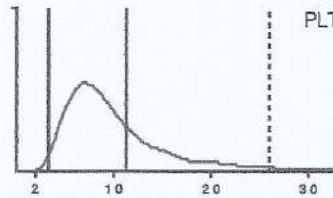
Sample ID PX439H
Exp. date 05/03/2023

| | | | Range |
|--------|------|---------------------|-------------|
| RBC | 5.27 | 10 ⁶ /μL | 4.99 - 5.49 |
| HGB | 16.1 | g/dL | 15.4 - 16.6 |
| HCT | 48.0 | % | 46.0 - 51.0 |
| MCV | 91.2 | μm ³ | 87.5 - 97.5 |
| MCH | 30.5 | pg | 28.0 - 33.0 |
| MCHC | 33.4 | g/dL | 30.0 - 36.0 |
| RDW-CV | 13.0 | % | 10.5 - 18.5 |

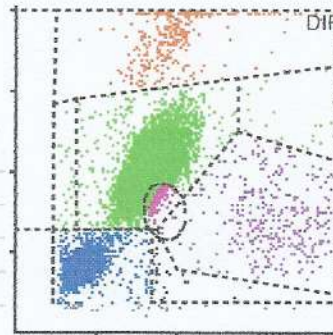


Alarms

| | | | Range |
|-----|-----|---------------------|------------|
| PLT | 521 | 10 ³ /μL | 448 - 548 |
| MPV | 9.5 | μm ³ | 7.5 - 11.5 |



| | | | Range | | Range |
|-----|-------|---------------------|---------------|------|-------------|
| WBC | 17.10 | 10 ³ /μL | 16.10 - 20.50 | | |
| | # | | Range | % | Range |
| NEU | 12.03 | | 11.07 - | 70.4 | 60.9 - 80.9 |
| LYM | 3.52 | | 2.29 - 5.29 | 20.6 | 12.7 - 28.7 |
| MON | 0.65 | | 0.00 - 1.32 | 3.8 | 0.0 - 7.2 |
| EOS | 0.64 | | 0.00 - 1.28 | 3.7 | 0.0 - 7.0 |
| BAS | 0.26 | | 0.00 - 0.48 | 1.5 | 0.0 - 2.6 |



Raw Data

PLT counts (by sections)

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 432 | 405 | 416 | 433 | 455 | 447 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 417 | 388 | 405 | 447 | 445 | 421 |

RBC counts (by sections)

| | | | | | |
|------|------|------|------|------|------|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 4466 | 4530 | 4361 | 4386 | 4469 | 4511 |
| S7 | S8 | S9 | S10 | S11 | S12 |
| 4345 | 4370 | 4521 | 4399 | 4353 | 4410 |

WBC counts (by sections) and others

| | | | | | |
|------|------|------|------|------|------|
| S1 | S2 | S3 | S4 | S5 | S6 |
| 1174 | 1205 | 1216 | 1179 | 1169 | 1170 |
| S7 | S8 | S9 | S10 | S11 | |
| 1151 | 1224 | 1144 | 1183 | 1152 | |

HGB measures (Optical intensity)

| | | | | | |
|------|------|------|------|------|------|
| LI1 | LI2 | LI3 | LI4 | LI5 | LI6 |
| 3641 | 3641 | 3641 | 633 | 634 | 633 |
| LI7 | LI8 | LI9 | LI10 | LI11 | LI12 |
| 634 | 634 | 633 | 634 | 634 | 634 |
| LI13 | | | | | |
| 634 | | | | | |

RMeasured : 10683
Correlated : 10660
Optical intensity 189

Handwritten signature: Hanyou/odw
29/12/2022