



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-SERIES (XN-10, XN-20) ANALYZERS

| Expiration Date: | 2024-10-06 | | Quality Control Data Due Date #1: 26-Aug-24 | | Quality Control Data Due Date #2: 06-Oct-24 | |
|------------------------------|------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 41981101 | | 41981102 | | 41981103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁶ /μL) | 2.35 | 2.23 - 2.47 | 4.28 | 4.11 - 4.45 | 4.99 | 4.79 - 5.19 |
| HGB (g/dL) | 5.5 | 5.3 - 5.8 | 11.6 | 11.2 - 12.1 | 14.9 | 14.3 - 15.5 |
| HCT (%) | 16.3 | 15.2 - 17.4 | 33.4 | 31.4 - 35.4 | 41.8 | 39.3 - 44.3 |
| MCV (fL) | 69.3 | 65.1 - 73.4 | 78.1 | 73.5 - 82.8 | 83.7 | 78.6 - 88.7 |
| MCH (pg) | 23.5 | 21.6 - 25.4 | 27.2 | 25.3 - 29.1 | 29.9 | 28.1 - 31.7 |
| MCHC (g/dL) | 33.9 | 30.5 - 37.3 | 34.8 | 31.7 - 37.9 | 35.7 | 32.9 - 38.6 |
| RDW-SD (fL) | 48.1 | 45.2 - 51.0 | 46.6 | 43.8 - 49.4 | 47.0 | 43.2 - 50.7 |
| RDW-CV (%) | 19.5 | 18.3 - 20.6 | 16.6 | 15.6 - 17.6 | 15.5 | 14.2 - 16.7 |
| PLT (10 ³ /μL) | 91 | 57 - 126 | 236 | 198 - 274 | 536 | 466 - 606 |
| PLT-F (10 ³ /μL) | 84 | 61 - 106 | 228 | 166 - 289 | 501 | 386 - 616 |
| IPF (%) | 19.1 | 16.6 - 21.5 | 20.2 | 16.2 - 24.3 | 20.0 | 15.8 - 24.2 |
| IPF# | 16.0 | 13.9 - 18.1 | 44.9 | 35.9 - 53.9 | 98.9 | 78.1 - 119.7 |
| MPV (fL) | 8.9 | 7.5 - 10.3 | 9.8 | 9.0 - 10.6 | 9.7 | 8.9 - 10.4 |
| WBC (10 ³ /μL) | 3.04 | 2.64 - 3.43 | 7.04 | 6.34 - 7.75 | 16.44 | 14.96 - 17.92 |
| NEUT# (10 ³ /μL) | 1.15 | 0.95 - 1.36 | 3.02 | 2.59 - 3.44 | 7.70 | 6.70 - 8.70 |
| LYMPH# (10 ³ /μL) | 1.11 | 0.81 - 1.41 | 2.08 | 1.58 - 2.57 | 4.10 | 3.03 - 5.16 |
| MONO# (10 ³ /μL) | 0.35 | 0.15 - 0.54 | 0.89 | 0.45 - 1.34 | 1.98 | 1.09 - 2.87 |
| EO# (10 ³ /μL) | 0.28 | 0.17 - 0.39 | 0.72 | 0.45 - 0.99 | 1.88 | 1.17 - 2.60 |
| BASO# (10 ³ /μL) | 0.15 | 0.11 - 0.18 | 0.34 | 0.28 - 0.39 | 0.79 | 0.69 - 0.89 |
| IG # (10 ³ /μL) | 0.30 | 0.23 - 0.36 | 0.77 | 0.62 - 0.91 | 1.94 | 1.59 - 2.29 |
| NRBC# (10 ³ /μL) | 0.14 | 0.08 - 0.20 | 0.45 | 0.33 - 0.57 | 1.15 | 0.92 - 1.38 |
| NEUT% | 38.0 | 32.7 - 43.3 | 42.8 | 38.1 - 47.6 | 46.8 | 42.1 - 51.5 |
| LYMPH% | 36.6 | 27.5 - 45.8 | 29.5 | 23.0 - 36.0 | 24.9 | 18.7 - 31.1 |
| MONO% | 11.4 | 5.2 - 17.5 | 12.7 | 6.6 - 18.7 | 12.0 | 6.7 - 17.3 |
| EO% | 9.3 | 5.8 - 12.7 | 10.2 | 6.5 - 13.9 | 11.4 | 7.2 - 15.7 |
| BASO% | 4.8 | 3.9 - 5.7 | 4.8 | 4.2 - 5.4 | 4.8 | 4.2 - 5.4 |
| IG (%) | 9.8 | 7.9 - 11.6 | 10.9 | 9.0 - 12.7 | 11.8 | 9.9 - 13.7 |
| NRBC% (/100 WBC) | 4.6 | 2.5 - 6.8 | 6.4 | 4.6 - 8.2 | 7.0 | 5.7 - 8.4 |
| RET% | 5.87 | 4.76 - 6.99 | 2.36 | 1.86 - 2.85 | 1.22 | 0.77 - 1.67 |
| RET# (10 ⁶ /μL) | 0.1381 | 0.1077 - 0.1685 | 0.1009 | 0.0817 - 0.1201 | 0.0609 | 0.0427 - 0.0792 |
| IRF (%) | 38.7 | 1.5 - 75.9 | 39.8 | 4.0 - 75.6 | 30.4 | 4.3 - 56.5 |
| RET-He (pg) | 25.2 | 21.6 - 28.7 | 26.1 | 22.7 - 29.5 | 27.4 | 23.3 - 31.6 |



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

| Expiration Date: | 2024-10-06 | | Quality Control Data Due Date #1: 26-Aug-24 | | Quality Control Data Due Date #2: 06-Oct-24 | |
|------------------------------|------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 41981101 | | 41981102 | | 41981103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁶ /μL) | 2.33 | 2.22 - 2.45 | 4.27 | 4.10 - 4.44 | 5.01 | 4.81 - 5.21 |
| HGB (g/dL) | 5.5 | 5.2 - 5.8 | 11.6 | 11.2 - 12.1 | 15.0 | 14.4 - 15.5 |
| HCT (%) | 16.2 | 15.1 - 17.4 | 33.4 | 31.4 - 35.4 | 42.0 | 39.5 - 44.5 |
| MCV (fL) | 69.5 | 65.4 - 73.7 | 78.2 | 73.5 - 82.9 | 83.8 | 78.8 - 88.8 |
| MCH (pg) | 23.6 | 21.7 - 25.5 | 27.3 | 25.3 - 29.2 | 29.8 | 28.0 - 31.6 |
| MCHC (g/dL) | 34.0 | 30.6 - 37.4 | 34.9 | 31.7 - 38.0 | 35.6 | 32.8 - 38.5 |
| RDW-SD (fL) | 49.2 | 46.3 - 52.2 | 47.1 | 44.3 - 49.9 | 46.9 | 43.1 - 50.6 |
| RDW-CV (%) | 19.6 | 18.4 - 20.7 | 16.7 | 15.7 - 17.7 | 15.5 | 14.2 - 16.7 |
| PLT (10 ³ /μL) | 89 | 63 - 116 | 238 | 205 - 272 | 541 | 481 - 600 |
| MPV (fL) | 8.9 | 7.7 - 10.1 | 9.8 | 9.0 - 10.5 | 9.6 | 8.9 - 10.3 |
| WBC (10 ³ /μL) | 3.26 | 2.74 - 3.78 | 7.82 | 6.80 - 8.84 | 18.38 | 16.36 - 20.40 |
| NEUT# (10 ³ /μL) | 1.16 | 0.95 - 1.37 | 3.06 | 2.64 - 3.49 | 7.85 | 6.83 - 8.87 |
| LYMPH# (10 ³ /μL) | 1.21 | 0.88 - 1.53 | 2.36 | 1.80 - 2.93 | 4.80 | 3.55 - 6.05 |
| MONO# (10 ³ /μL) | 0.32 | 0.14 - 0.51 | 0.83 | 0.42 - 1.25 | 1.90 | 1.05 - 2.76 |
| EO# (10 ³ /μL) | 0.29 | 0.18 - 0.40 | 0.76 | 0.48 - 1.04 | 1.97 | 1.22 - 2.72 |
| BASO# (10 ³ /μL) | 0.16 | 0.10 - 0.21 | 0.41 | 0.28 - 0.54 | 1.07 | 0.75 - 1.39 |
| IG # (10 ³ /μL) | 0.30 | 0.22 - 0.37 | 0.79 | 0.64 - 0.95 | 2.04 | 1.65 - 2.42 |
| NEUT% | 37.0 | 31.8 - 42.2 | 41.3 | 36.7 - 45.8 | 44.6 | 40.2 - 49.1 |
| LYMPH% | 38.5 | 28.9 - 48.1 | 31.8 | 24.8 - 38.8 | 27.3 | 20.5 - 34.1 |
| MONO% | 10.4 | 4.8 - 15.9 | 11.2 | 5.8 - 16.6 | 10.8 | 6.1 - 15.6 |
| EO% | 9.2 | 5.8 - 12.6 | 10.2 | 6.5 - 13.9 | 11.2 | 7.1 - 15.3 |
| BASO% | 4.9 | 3.2 - 6.7 | 5.5 | 3.9 - 7.2 | 6.1 | 4.3 - 7.8 |
| IG (%) | 9.6 | 7.6 - 11.6 | 10.7 | 8.5 - 12.8 | 11.6 | 9.6 - 13.5 |
| RET% | 7.17 | 5.30 - 9.03 | 2.79 | 2.06 - 3.51 | 1.28 | 0.85 - 1.72 |
| RET# (10 ⁶ /μL) | 0.1673 | 0.1222 - 0.2125 | 0.1190 | 0.0892 - 0.1487 | 0.0642 | 0.0417 - 0.0866 |
| IRF (%) | 32.0 | 1.3 - 62.8 | 35.5 | 3.5 - 67.4 | 30.2 | 4.2 - 56.1 |
| RET-He (pg) | 23.8 | 20.5 - 27.1 | 24.4 | 21.2 - 27.6 | 25.3 | 21.5 - 29.1 |



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-SERIES (XN-11, XN-21) ANALYZERS

| Expiration Date: | 2024-10-06 | | Quality Control Data Due Date #1: 26-Aug-24 | | Quality Control Data Due Date #2: 06-Oct-24 | |
|------------------------------|-------------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 41981101 | | 41981102 | | 41981103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁹ /μL) | 2.39 | 2.27 - 2.51 | 4.32 | 4.15 - 4.50 | 5.05 | 4.84 - 5.25 |
| HGB (g/dL) | 5.49 | 5.21 - 5.76 | 11.62 | 11.16 - 12.09 | 14.95 | 14.36 - 15.55 |
| HCT (%) | 16.3 | 15.2 - 17.5 | 33.1 | 31.1 - 35.1 | 41.6 | 39.1 - 44.1 |
| MCV (fL) | 68.3 | 64.2 - 72.4 | 76.5 | 71.9 - 81.1 | 82.5 | 77.5 - 87.4 |
| MCH (pg) | 23.0 | 21.1 - 24.8 | 26.9 | 25.0 - 28.8 | 29.6 | 27.9 - 31.4 |
| MCHC (g/dL) | 33.6 | 30.3 - 37.0 | 35.1 | 32.0 - 38.3 | 35.9 | 33.0 - 38.8 |
| RDW-SD (fL) | 47.1 | 44.3 - 49.9 | 46.5 | 43.7 - 49.3 | 48.0 | 44.1 - 51.8 |
| RDW-CV (%) | 19.7 | 18.5 - 20.9 | 17.2 | 16.1 - 18.2 | 16.4 | 15.1 - 17.8 |
| PLT (10 ³ /μL) | 94 | 58 - 130 | 241 | 202 - 279 | 543 | 473 - 614 |
| PLT-F (10 ³ /μL) | 86 | 63 - 109 | 234 | 171 - 297 | 513 | 395 - 632 |
| IPF (%) | 19.2 | 16.7 - 21.7 | 20.1 | 16.1 - 24.1 | 20.0 | 15.8 - 24.2 |
| IPF# | 16.5 | 14.4 - 18.7 | 46.0 | 36.8 - 55.1 | 101.2 | 79.9 - 122.4 |
| MPV (fL) | 9.9 | 8.3 - 11.5 | 11.0 | 10.2 - 11.9 | 10.9 | 10.0 - 11.8 |
| WBC (10 ³ /μL) | 3.05 | 2.66 - 3.45 | 7.02 | 6.32 - 7.73 | 16.34 | 14.87 - 17.81 |
| NEUT# (10 ³ /μL) | 1.15 | 0.94 - 1.36 | 2.96 | 2.54 - 3.37 | 7.63 | 6.63 - 8.62 |
| LYMPH# (10 ³ /μL) | 1.13 | 0.83 - 1.44 | 2.11 | 1.61 - 2.62 | 4.21 | 3.11 - 5.30 |
| MONO# (10 ³ /μL) | 0.34 | 0.15 - 0.52 | 0.88 | 0.44 - 1.32 | 1.96 | 1.08 - 2.84 |
| EO# (10 ³ /μL) | 0.29 | 0.18 - 0.39 | 0.74 | 0.46 - 1.01 | 1.77 | 1.10 - 2.44 |
| BASO# (10 ³ /μL) | 0.15 | 0.11 - 0.18 | 0.34 | 0.28 - 0.39 | 0.79 | 0.68 - 0.89 |
| IG # (10 ³ /μL) | 0.29 | 0.23 - 0.36 | 0.75 | 0.61 - 0.89 | 1.92 | 1.58 - 2.27 |
| NRBC# (10 ³ /μL) | 0.14 | 0.08 - 0.20 | 0.45 | 0.33 - 0.57 | 1.14 | 0.91 - 1.36 |
| NEUT% | 37.7 | 32.4 - 42.9 | 42.1 | 37.5 - 46.7 | 46.7 | 42.0 - 51.3 |
| LYMPH% | 37.2 | 27.9 - 46.5 | 30.1 | 23.5 - 36.7 | 25.7 | 19.3 - 32.2 |
| MONO% | 11.0 | 5.1 - 17.0 | 12.5 | 6.5 - 18.5 | 12.0 | 6.7 - 17.2 |
| EO% | 9.3 | 5.9 - 12.8 | 10.5 | 6.7 - 14.2 | 10.8 | 6.8 - 14.8 |
| BASO% | 4.8 | 3.9 - 5.7 | 4.8 | 4.2 - 5.4 | 4.8 | 4.2 - 5.4 |
| IG (%) | 9.6 | 7.8 - 11.5 | 10.7 | 8.9 - 12.5 | 11.8 | 9.9 - 13.6 |
| NRBC% (/100 WBC) | 4.5 | 2.4 - 6.5 | 6.4 | 4.6 - 8.2 | 6.9 | 5.6 - 8.3 |
| RET% | 5.45 | 4.41 - 6.48 | 2.25 | 1.78 - 2.72 | 1.16 | 0.73 - 1.59 |
| RET# (10 ⁶ /μL) | 0.1302 | 0.1016 - 0.1589 | 0.0973 | 0.0788 - 0.1158 | 0.0587 | 0.0411 - 0.0763 |
| IRF (%) | 40.8 | 1.6 - 80.0 | 42.0 | 4.2 - 79.8 | 31.9 | 4.5 - 59.3 |
| RET-He (pg) | 25.3 | 21.8 - 28.9 | 26.2 | 22.8 - 29.6 | 27.6 | 23.5 - 31.7 |