



XN CHECK™

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

| Expiration Date: | 2024-06-16 | | Quality Control Data Due Date #1: 06-May-24 | | Quality Control Data Due Date #2: 16-Jun-24 | |
|------------------------------|------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 40861101 | | 40861102 | | 40861103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁶ /μL) | 2.36 | 2.24 - 2.48 | 4.32 | 4.14 - 4.49 | 5.03 | 4.83 - 5.23 |
| HGB (g/dL) | 5.9 | 5.6 - 6.2 | 12.6 | 12.1 - 13.1 | 15.8 | 15.2 - 16.4 |
| HCT (%) | 17.2 | 16.0 - 18.4 | 35.9 | 33.8 - 38.1 | 44.1 | 41.5 - 46.7 |
| MCV (fL) | 72.7 | 68.4 - 77.1 | 83.3 | 78.3 - 88.3 | 87.7 | 82.4 - 92.9 |
| MCH (pg) | 24.8 | 22.9 - 26.8 | 29.2 | 27.1 - 31.2 | 31.4 | 29.5 - 33.3 |
| MCHC (g/dL) | 34.2 | 30.7 - 37.6 | 35.0 | 31.9 - 38.2 | 35.8 | 33.0 - 38.7 |
| RDW-SD (fL) | 46.6 | 43.8 - 49.4 | 45.8 | 43.0 - 48.5 | 46.0 | 42.3 - 49.6 |
| RDW-CV (%) | 17.9 | 16.8 - 19.0 | 15.2 | 14.3 - 16.2 | 14.5 | 13.3 - 15.6 |
| PLT (10 ³ /μL) | 94 | 58 - 129 | 233 | 196 - 271 | 542 | 472 - 613 |
| PLT-F (10 ³ /μL) | 86 | 63 - 109 | 241 | 176 - 305 | 513 | 395 - 631 |
| IPF (%) | 19.2 | 16.7 - 21.7 | 20.0 | 16.0 - 24.0 | 19.9 | 15.7 - 24.1 |
| IPF# | 16.5 | 14.4 - 18.7 | 46.9 | 37.5 - 56.3 | 100.8 | 79.7 - 122.0 |
| MPV (fL) | 8.6 | 7.3 - 10.0 | 9.9 | 9.1 - 10.7 | 9.8 | 9.0 - 10.5 |
| WBC (10 ³ /μL) | 3.00 | 2.70 - 3.30 | 7.21 | 6.71 - 7.72 | 16.61 | 15.61 - 17.60 |
| NEUT# (10 ³ /μL) | 1.19 | 0.98 - 1.41 | 3.18 | 2.74 - 3.63 | 7.95 | 6.92 - 8.99 |
| LYMPH# (10 ³ /μL) | 1.02 | 0.75 - 1.30 | 2.06 | 1.56 - 2.55 | 3.96 | 2.93 - 4.99 |
| MONO# (10 ³ /μL) | 0.35 | 0.15 - 0.55 | 0.87 | 0.43 - 1.30 | 2.00 | 1.10 - 2.91 |
| EO# (10 ³ /μL) | 0.29 | 0.18 - 0.40 | 0.76 | 0.48 - 1.05 | 1.88 | 1.17 - 2.60 |
| BASO# (10 ³ /μL) | 0.14 | 0.11 - 0.18 | 0.34 | 0.29 - 0.40 | 0.80 | 0.70 - 0.91 |
| IG # (10 ³ /μL) | 0.31 | 0.24 - 0.37 | 0.80 | 0.64 - 0.95 | 2.01 | 1.65 - 2.38 |
| NRBC# (10 ³ /μL) | 0.16 | 0.09 - 0.23 | 0.43 | 0.31 - 0.54 | 1.11 | 0.89 - 1.33 |
| NEUT% | 39.7 | 34.2 - 45.3 | 44.1 | 39.3 - 49.0 | 47.9 | 43.1 - 52.7 |
| LYMPH% | 34.1 | 25.6 - 42.7 | 28.5 | 22.2 - 34.8 | 23.9 | 17.9 - 29.8 |
| MONO% | 11.7 | 5.4 - 18.0 | 12.0 | 6.2 - 17.8 | 12.1 | 6.8 - 17.4 |
| EO% | 9.6 | 6.1 - 13.2 | 10.6 | 6.8 - 14.4 | 11.3 | 7.1 - 15.5 |
| BASO% | 4.8 | 3.9 - 5.7 | 4.8 | 4.2 - 5.4 | 4.8 | 4.3 - 5.4 |
| IG (%) | 10.2 | 8.2 - 12.1 | 11.0 | 9.2 - 12.9 | 12.1 | 10.2 - 14.1 |
| NRBC% (/100 WBC) | 5.4 | 2.9 - 7.9 | 5.9 | 4.3 - 7.6 | 6.7 | 5.4 - 8.0 |
| RET% | 5.27 | 4.27 - 6.27 | 2.28 | 1.80 - 2.76 | 1.15 | 0.72 - 1.57 |
| RET# (10 ⁶ /μL) | 0.1243 | 0.0969 - 0.1516 | 0.0983 | 0.0796 - 0.1170 | 0.0578 | 0.0404 - 0.0751 |
| IRF (%) | 32.0 | 1.3 - 62.7 | 33.9 | 3.4 - 64.5 | 25.1 | 3.5 - 46.6 |
| RET-He (pg) | 24.3 | 20.9 - 27.7 | 25.3 | 22.0 - 28.5 | 27.1 | 23.0 - 31.2 |



XN CHECK™

HEMATOLOGY CONTROL FOR SYSMEX XN-L ANALYZERS

| Expiration Date: | 2024-06-16 | | Quality Control Data Due Date #1: 06-May-24 | | Quality Control Data Due Date #2: 16-Jun-24 | |
|------------------------------|------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 40861101 | | 40861102 | | 40861103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁶ /μL) | 2.37 | 2.25 - 2.49 | 4.34 | 4.17 - 4.52 | 5.07 | 4.87 - 5.28 |
| HGB (g/dL) | 5.9 | 5.6 - 6.2 | 12.6 | 12.1 - 13.1 | 15.8 | 15.2 - 16.5 |
| HCT (%) | 17.2 | 16.0 - 18.4 | 36.0 | 33.9 - 38.2 | 44.4 | 41.7 - 47.0 |
| MCV (fL) | 72.7 | 68.3 - 77.0 | 83.0 | 78.0 - 87.9 | 87.4 | 82.2 - 92.7 |
| MCH (pg) | 24.8 | 22.8 - 26.8 | 29.1 | 27.0 - 31.1 | 31.2 | 29.3 - 33.1 |
| MCHC (g/dL) | 34.2 | 30.8 - 37.6 | 35.0 | 31.9 - 38.2 | 35.7 | 32.8 - 38.5 |
| RDW-SD (fL) | 47.2 | 44.3 - 50.0 | 46.2 | 43.5 - 49.0 | 46.2 | 42.5 - 49.9 |
| RDW-CV (%) | 18.1 | 17.0 - 19.2 | 15.4 | 14.4 - 16.3 | 14.5 | 13.4 - 15.7 |
| PLT (10 ³ /μL) | 94 | 66 - 122 | 234 | 201 - 267 | 539 | 480 - 598 |
| MPV (fL) | 8.6 | 7.5 - 9.7 | 9.8 | 9.1 - 10.6 | 9.7 | 9.0 - 10.4 |
| WBC (10 ³ /μL) | 3.26 | 2.83 - 3.68 | 7.97 | 7.17 - 8.77 | 18.46 | 16.99 - 19.94 |
| NEUT# (10 ³ /μL) | 1.20 | 0.98 - 1.41 | 3.22 | 2.77 - 3.68 | 8.01 | 6.97 - 9.05 |
| LYMPH# (10 ³ /μL) | 1.12 | 0.82 - 1.42 | 2.33 | 1.77 - 2.89 | 4.46 | 3.30 - 5.62 |
| MONO# (10 ³ /μL) | 0.33 | 0.15 - 0.52 | 0.82 | 0.41 - 1.23 | 1.95 | 1.07 - 2.82 |
| EO# (10 ³ /μL) | 0.30 | 0.18 - 0.41 | 0.78 | 0.49 - 1.06 | 1.96 | 1.21 - 2.70 |
| BASO# (10 ³ /μL) | 0.16 | 0.10 - 0.22 | 0.43 | 0.29 - 0.57 | 1.07 | 0.75 - 1.39 |
| IG # (10 ³ /μL) | 0.31 | 0.23 - 0.39 | 0.84 | 0.67 - 1.00 | 2.08 | 1.69 - 2.48 |
| NEUT% | 38.6 | 33.2 - 44.0 | 42.5 | 37.9 - 47.2 | 45.9 | 41.3 - 50.5 |
| LYMPH% | 36.1 | 27.1 - 45.1 | 30.7 | 24.0 - 37.5 | 25.6 | 19.2 - 32.0 |
| MONO% | 10.6 | 4.9 - 16.4 | 10.8 | 5.6 - 16.0 | 11.2 | 6.3 - 16.1 |
| EO% | 9.5 | 6.0 - 13.0 | 10.2 | 6.5 - 13.9 | 11.2 | 7.1 - 15.4 |
| BASO% | 5.2 | 3.4 - 7.1 | 5.7 | 4.0 - 7.4 | 6.1 | 4.4 - 7.9 |
| IG (%) | 10.0 | 7.9 - 12.1 | 11.0 | 8.8 - 13.2 | 12.0 | 9.9 - 14.0 |
| RET% | 6.29 | 4.65 - 7.92 | 2.63 | 1.95 - 3.31 | 1.16 | 0.77 - 1.56 |
| RET# (10 ⁶ /μL) | 0.1491 | 0.1089 - 0.1894 | 0.1142 | 0.0857 - 0.1428 | 0.0590 | 0.0383 - 0.0796 |
| IRF (%) | 27.1 | 1.1 - 53.1 | 30.0 | 3.0 - 57.0 | 25.3 | 3.5 - 47.0 |
| RET-He (pg) | 23.1 | 19.9 - 26.4 | 23.8 | 20.7 - 26.9 | 25.0 | 21.2 - 28.7 |



XN CHECK™

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

| Expiration Date: | 2024-06-16 | | Quality Control Data Due Date #1: 06-May-24 | | Quality Control Data Due Date #2: 16-Jun-24 | |
|------------------------------|-------------------|-----------------|--|-----------------|--|-----------------|
| Lot Number: | 40861101 | | 40861102 | | 40861103 | |
| Control: | L1:Level 1 | | L2:Level 2 | | L3:Level 3 | |
| PARAMETERS | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE | MEAN | EXPECTED RANGE |
| RBC (10 ⁹ /μL) | 2.42 | 2.30 - 2.54 | 4.38 | 4.20 - 4.55 | 5.11 | 4.90 - 5.31 |
| HGB (g/dL) | 5.87 | 5.58 - 6.16 | 12.62 | 12.11 - 13.12 | 15.83 | 15.20 - 16.47 |
| HCT (%) | 17.2 | 16.0 - 18.4 | 35.5 | 33.4 - 37.7 | 43.9 | 41.3 - 46.6 |
| MCV (fL) | 71.2 | 67.0 - 75.5 | 81.2 | 76.3 - 86.1 | 86.0 | 80.9 - 91.2 |
| MCH (pg) | 24.3 | 22.3 - 26.2 | 28.8 | 26.8 - 30.8 | 31.0 | 29.2 - 32.9 |
| MCHC (g/dL) | 34.1 | 30.7 - 37.5 | 35.5 | 32.3 - 38.7 | 36.0 | 33.2 - 38.9 |
| RDW-SD (fL) | 45.6 | 42.9 - 48.4 | 45.6 | 42.8 - 48.3 | 47.1 | 43.4 - 50.9 |
| RDW-CV (%) | 18.0 | 16.9 - 19.1 | 15.8 | 14.9 - 16.8 | 15.5 | 14.2 - 16.7 |
| PLT (10 ³ /μL) | 98 | 61 - 136 | 238 | 200 - 277 | 549 | 477 - 620 |
| PLT-F (10 ³ /μL) | 88 | 64 - 112 | 245 | 179 - 311 | 525 | 404 - 646 |
| IPF (%) | 19.3 | 16.8 - 21.8 | 20.0 | 16.0 - 23.9 | 20.1 | 15.9 - 24.3 |
| IPF# | 17.0 | 14.8 - 19.2 | 47.7 | 38.2 - 57.2 | 104.0 | 82.2 - 125.9 |
| MPV (fL) | 9.7 | 8.1 - 11.3 | 11.1 | 10.3 - 12.0 | 11.0 | 10.1 - 11.8 |
| WBC (10 ³ /μL) | 3.06 | 2.76 - 3.37 | 7.26 | 6.75 - 7.77 | 16.75 | 15.74 - 17.75 |
| NEUT# (10 ³ /μL) | 1.22 | 1.00 - 1.44 | 3.17 | 2.73 - 3.62 | 7.97 | 6.94 - 9.01 |
| LYMPH# (10 ³ /μL) | 1.05 | 0.77 - 1.34 | 2.08 | 1.58 - 2.58 | 4.02 | 2.97 - 5.06 |
| MONO# (10 ³ /μL) | 0.35 | 0.15 - 0.55 | 0.89 | 0.44 - 1.33 | 2.05 | 1.13 - 2.98 |
| EO# (10 ³ /μL) | 0.29 | 0.18 - 0.40 | 0.77 | 0.48 - 1.05 | 1.89 | 1.17 - 2.61 |
| BASO# (10 ³ /μL) | 0.15 | 0.11 - 0.18 | 0.35 | 0.29 - 0.40 | 0.81 | 0.70 - 0.92 |
| IG # (10 ³ /μL) | 0.31 | 0.25 - 0.38 | 0.81 | 0.65 - 0.96 | 1.99 | 1.63 - 2.35 |
| NRBC# (10 ³ /μL) | 0.16 | 0.09 - 0.24 | 0.43 | 0.32 - 0.55 | 1.12 | 0.89 - 1.34 |
| NEUT% | 39.9 | 34.3 - 45.5 | 43.7 | 38.9 - 48.5 | 47.6 | 42.8 - 52.4 |
| LYMPH% | 34.4 | 25.8 - 42.9 | 28.6 | 22.3 - 34.9 | 24.0 | 18.0 - 30.0 |
| MONO% | 11.4 | 5.3 - 17.6 | 12.3 | 6.4 - 18.1 | 12.3 | 6.9 - 17.7 |
| EO% | 9.5 | 6.0 - 13.1 | 10.6 | 6.8 - 14.4 | 11.3 | 7.1 - 15.5 |
| BASO% | 4.8 | 3.9 - 5.7 | 4.8 | 4.2 - 5.4 | 4.8 | 4.3 - 5.4 |
| IG (%) | 10.2 | 8.2 - 12.1 | 11.1 | 9.2 - 13.0 | 11.9 | 10.0 - 13.8 |
| NRBC% (/100 WBC) | 5.4 | 2.9 - 7.9 | 6.0 | 4.3 - 7.7 | 6.7 | 5.4 - 7.9 |
| RET% | 4.94 | 4.00 - 5.88 | 2.15 | 1.70 - 2.61 | 1.10 | 0.69 - 1.51 |
| RET# (10 ⁶ /μL) | 0.1195 | 0.0932 - 0.1458 | 0.0943 | 0.0764 - 0.1122 | 0.0561 | 0.0393 - 0.0729 |
| IRF (%) | 34.0 | 1.4 - 66.5 | 34.7 | 3.5 - 65.9 | 25.6 | 3.6 - 47.7 |
| RET-He (pg) | 24.6 | 21.2 - 28.1 | 25.6 | 22.3 - 28.9 | 27.4 | 23.3 - 31.5 |