

XN CHECK ASSAY SHEET

for XN series

Level L1

LOT
2142 1101

14-Aug-2022

| | RBC [10 ⁶ /μL] | HGB | | HCT | | MCV [fL] | MCH | | MCHC | |
|-----------|------------------------------|--------|----------|------|-------|-------------|------|--------|--------|----------|
| | | [g/dL] | [mmol/L] | [%] | [L/L] | | [pg] | [fmol] | [g/dL] | [mmol/L] |
| Range | 2.80 | 6.6 | 4.1 | 20.7 | 0.207 | 74.0 | 25.7 | 1.596 | 38.5 | 23.9 |
| | 2.54 | 6.0 | 3.7 | 16.9 | 0.169 | 67.0 | 21.5 | 1.332 | 28.5 | 17.7 |
| Mean | 2.67 | 6.3 | 3.9 | 18.8 | 0.188 | 70.5 | 23.6 | 1.464 | 33.5 | 20.8 |
| Limit [%] | 5.0 | 4.8 | 4.8 | 10.0 | 10.0 | 5.0 | 9.0 | 9.0 | 15.0 | 15.0 |
| Limit [#] | 0.13 | 0.3 | 0.2 | 1.9 | 0.019 | 3.5 | 2.1 | 0.132 | 5.0 | 3.1 |

| | PLT [10 ³ /μL] | RDW-SD [fL] | RDW-CV [%] | PDW [fL] | PCT [%] | MPV [fL] | P-LCR [%] | PLT-F [10 ³ /μL] | IPF [%] | IPF# [10 ³ /μL] |
|-----------|------------------------------|----------------|---------------|-------------|------------|-------------|--------------|--------------------------------|------------|-------------------------------|
| Range | 127 | 52.5 | 21.1 | 10.8 | 0.15 | 9.6 | 11.3 | 125 | 24.0 | 33.0 |
| | 55 | 42.9 | 17.3 | 1.2 | 0.00 | 6.4 | 0.0 | 53 | 14.0 | 0.8 |
| Mean | 91 | 47.7 | 19.2 | 6.0 | 0.07 | 8.0 | 4.5 | 89 | 19.0 | 16.9 |
| Limit [%] | 40.0 | 10.0 | 10.0 | 80.0 | 116.0 | 20.0 | 150.0 | 40.0 | 26.3 | 95.0 |
| Limit [#] | 36 | 4.8 | 1.9 | 4.8 | 0.08 | 1.6 | 6.8 | 36 | 5.0 | 16.1 |

| | WBC [10 ³ /μL] | WBC-D [10 ³ /μL] | WBC-P [10 ³ /μL] | NEUT# [10 ³ /μL] | LYMPH# [10 ³ /μL] | MONO# [10 ³ /μL] | EO# [10 ³ /μL] | BASO# [10 ³ /μL] | IG# [10 ³ /μL] | NRBC# [10 ³ /μL] |
|-----------|------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|
| Range | 3.28 | 3.36 | 3.31 | 1.43 | 1.32 | 0.76 | 0.44 | 0.25 | 0.40 | 0.21 |
| | 2.68 | 2.74 | 2.71 | 0.95 | 0.56 | 0.08 | 0.14 | 0.03 | 0.22 | 0.07 |
| Mean | 2.98 | 3.05 | 3.01 | 1.19 | 0.94 | 0.42 | 0.29 | 0.14 | 0.31 | 0.14 |
| Limit [%] | 10.0 | 10.0 | 10.0 | 20.0 | 40.0 | 80.0 | 50.0 | 78.0 | 30.0 | 50.0 |
| Limit [#] | 0.30 | 0.31 | 0.30 | 0.24 | 0.38 | 0.34 | 0.15 | 0.11 | 0.09 | 0.07 |

| | NEUT% [%] | LYMPH% [%] | MONO% [%] | EO% [%] | BASO% [%] | IG% [%] | NRBC% [%] | HPC% [%] | HPC# [10 ³ /μL] |
|-----------|--------------|---------------|--------------|------------|--------------|------------|--------------|-------------|-------------------------------|
| Range | 48.0 | 44.1 | 25.4 | 14.6 | 8.4 | 13.5 | 7.1 | 1.50 | 0.045 |
| | 32.0 | 18.9 | 2.8 | 4.8 | 1.0 | 7.3 | 2.3 | 0.50 | 0.015 |
| Mean | 40.0 | 31.5 | 14.1 | 9.7 | 4.7 | 10.4 | 4.7 | 1.00 | 0.030 |
| Limit [%] | 20.0 | 40.0 | 80.0 | 50.0 | 78.0 | 30.0 | 50.0 | 50.0 | 50.0 |
| Limit [#] | 8.0 | 12.6 | 11.3 | 4.9 | 3.7 | 3.1 | 2.4 | 0.50 | 0.015 |

| | RET# [10 ⁶ /μL] | RET% [%] | HFR [%] | MFR [%] | LFR [%] | IRF [%] | RET-He | | RBC-O [10 ⁶ /μL] | PLT-O [10 ³ /μL] |
|-----------|-------------------------------|-------------|------------|------------|------------|------------|--------|--------|--------------------------------|--------------------------------|
| | | | | | | | [pg] | [fmol] | | |
| Range | 0.2032 | 7.02 | 17.3 | 59.5 | 95.2 | 73.8 | 27.5 | 1.707 | 2.92 | 153 |
| | 0.1094 | 4.68 | 0.0 | 3.5 | 29.2 | 1.8 | 22.5 | 1.397 | 2.38 | 65 |
| Mean | 0.1563 | 5.85 | 6.3 | 31.5 | 62.2 | 37.8 | 25.0 | 1.552 | 2.65 | 109 |
| Limit [%] | 30.0 | 20.0 | 174.6 | 88.9 | 53.1 | 95.2 | 10.0 | 10.0 | 10.0 | 40.0 |
| Limit [#] | 0.0469 | 1.17 | 11.0 | 28.0 | 33.0 | 36.0 | 2.5 | 0.155 | 0.27 | 44 |

| | RBC-He | | HYPO-He [%] | HYPER-He [%] | MicroR [%] | MacroR [%] | AS-LYMP# [10 ³ /μL] | AS-LYMP% [%] | RE-LYMP# [10 ³ /μL] | RE-LYMP% [%] |
|-----------|--------|--------|----------------|-----------------|---------------|---------------|-----------------------------------|-----------------|-----------------------------------|-----------------|
| | [pg] | [fmol] | | | | | | | | |
| Range | 29.5 | 1.829 | 8.5 | 0.9 | 46.6 | 3.0 | 0.26 | 8.6 | 0.38 | 13.0 |
| | 19.7 | 1.219 | 1.3 | 0.0 | 11.6 | 1.0 | 0.06 | 2.2 | 0.10 | 3.2 |
| Mean | 24.6 | 1.524 | 4.9 | 0.2 | 29.1 | 2.0 | 0.16 | 5.4 | 0.24 | 8.1 |
| Limit [%] | 20.0 | 20.0 | 73.5 | 350.0 | 60.0 | 50.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| Limit [#] | 4.9 | 0.305 | 3.6 | 0.7 | 17.5 | 1.0 | 0.10 | 3.2 | 0.14 | 4.9 |

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XN CHECK ASSAY SHEET for XN series

Level L2

LOT
2142 1102

14-Aug-2022

| | RBC [10 ⁶ /μL] | HGB | | HCT | | MCV [fL] | MCH | | MCHC | |
|-----------|------------------------------|--------|----------|------|-------|-------------|------|--------|--------|----------|
| | | [g/dL] | [mmol/L] | [%] | [L/L] | | [pg] | [fmol] | [g/dL] | [mmol/L] |
| Range | 4.52 | 12.1 | 7.5 | 37.6 | 0.376 | 83.5 | 29.4 | 1.824 | 39.0 | 24.2 |
| | 4.08 | 11.3 | 7.1 | 30.8 | 0.308 | 75.5 | 25.0 | 1.554 | 29.4 | 18.2 |
| Mean | 4.30 | 11.7 | 7.3 | 34.2 | 0.342 | 79.5 | 27.2 | 1.689 | 34.2 | 21.2 |
| Limit [%] | 5.0 | 3.0 | 3.0 | 10.0 | 10.0 | 5.0 | 8.0 | 8.0 | 14.0 | 14.0 |
| Limit [#] | 0.22 | 0.4 | 0.2 | 3.4 | 0.034 | 4.0 | 2.2 | 0.135 | 4.8 | 3.0 |

| | PLT [10 ³ /μL] | RDW-SD [fL] | RDW-CV [%] | PDW [fL] | PCT [%] | MPV [fL] | P-LCR [%] | PLT-F [10 ³ /μL] | IPF [%] | IPF# [10 ³ /μL] |
|-----------|------------------------------|----------------|---------------|-------------|------------|-------------|--------------|--------------------------------|------------|-------------------------------|
| Range | 285 | 55.2 | 19.5 | 9.4 | 0.30 | 10.0 | 33.8 | 338 | 24.9 | 90.5 |
| | 211 | 45.2 | 15.9 | 6.8 | 0.16 | 8.4 | 0.0 | 182 | 14.9 | 12.9 |
| Mean | 248 | 50.2 | 17.7 | 8.1 | 0.23 | 9.2 | 13.5 | 260 | 19.9 | 51.7 |
| Limit [%] | 15.0 | 10.0 | 10.0 | 16.0 | 30.0 | 9.0 | 150.0 | 30.0 | 25.1 | 75.0 |
| Limit [#] | 37 | 5.0 | 1.8 | 1.3 | 0.07 | 0.8 | 20.3 | 78 | 5.0 | 38.8 |

| | WBC [10 ³ /μL] | WBC-D [10 ³ /μL] | WBC-P [10 ³ /μL] | NEUT# [10 ³ /μL] | LYMPH# [10 ³ /μL] | MONO# [10 ³ /μL] | EO# [10 ³ /μL] | BASO# [10 ³ /μL] | IG# [10 ³ /μL] | NRBC# [10 ³ /μL] |
|-----------|------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|
| Range | 7.57 | 7.83 | 7.83 | 3.58 | 2.39 | 1.50 | 1.14 | 0.61 | 1.03 | 0.68 |
| | 6.71 | 6.95 | 6.53 | 2.64 | 1.59 | 0.38 | 0.38 | 0.07 | 0.55 | 0.22 |
| Mean | 7.14 | 7.39 | 7.18 | 3.11 | 1.99 | 0.94 | 0.76 | 0.34 | 0.79 | 0.45 |
| Limit [%] | 6.0 | 6.0 | 9.0 | 15.0 | 20.0 | 60.0 | 50.0 | 78.0 | 30.0 | 50.0 |
| Limit [#] | 0.43 | 0.44 | 0.65 | 0.47 | 0.40 | 0.56 | 0.38 | 0.27 | 0.24 | 0.23 |

| | NEUT% [%] | LYMPH% [%] | MONO% [%] | EO% [%] | BASO% [%] | IG% [%] | NRBC% [%] | HPC% [%] | HPC# [10 ³ /μL] |
|-----------|--------------|---------------|--------------|------------|--------------|------------|--------------|-------------|-------------------------------|
| Range | 50.0 | 33.5 | 21.1 | 15.9 | 8.5 | 14.4 | 9.5 | 1.39 | 0.099 |
| | 37.0 | 22.3 | 5.3 | 5.3 | 1.1 | 7.8 | 3.1 | 0.59 | 0.043 |
| Mean | 43.5 | 27.9 | 13.2 | 10.6 | 4.8 | 11.1 | 6.3 | 0.99 | 0.071 |
| Limit [%] | 15.0 | 20.0 | 60.0 | 50.0 | 78.0 | 30.0 | 50.0 | 40.0 | 40.0 |
| Limit [#] | 6.5 | 5.6 | 7.9 | 5.3 | 3.7 | 3.3 | 3.2 | 0.40 | 0.028 |

| | RET# [10 ⁶ /μL] | RET% [%] | HFR [%] | MFR [%] | LFR [%] | IRF [%] | RET-He | | RBC-O [10 ⁶ /μL] | PLT-O [10 ³ /μL] |
|-----------|-------------------------------|-------------|------------|------------|------------|------------|--------|--------|--------------------------------|--------------------------------|
| | | | | | | | [pg] | [fmol] | | |
| Range | 0.1366 | 2.93 | 17.1 | 60.1 | 94.8 | 74.2 | 27.9 | 1.737 | 4.66 | 341 |
| | 0.0736 | 1.95 | 0.0 | 4.1 | 28.8 | 2.2 | 22.9 | 1.421 | 3.82 | 183 |
| Mean | 0.1051 | 2.44 | 6.1 | 32.1 | 61.8 | 38.2 | 25.4 | 1.579 | 4.24 | 262 |
| Limit [%] | 30.0 | 20.0 | 180.3 | 87.2 | 53.4 | 94.2 | 10.0 | 10.0 | 10.0 | 30.0 |
| Limit [#] | 0.0315 | 0.49 | 11.0 | 28.0 | 33.0 | 36.0 | 2.5 | 0.158 | 0.42 | 79 |

| | RBC-He | | HYPO-He [%] | HYPER-He [%] | MicroR [%] | MacroR [%] | AS-LYMP# [10 ³ /μL] | AS-LYMP% [%] | RE-LYMP# [10 ³ /μL] | RE-LYMP% [%] |
|-----------|--------|--------|----------------|-----------------|---------------|---------------|-----------------------------------|-----------------|-----------------------------------|-----------------|
| | [pg] | [fmol] | | | | | | | | |
| Range | 33.6 | 2.082 | 2.9 | 1.1 | 18.2 | 5.5 | 0.50 | 6.9 | 0.77 | 10.7 |
| | 22.4 | 1.388 | 0.0 | 0.0 | 3.2 | 2.3 | 0.16 | 2.3 | 0.25 | 3.5 |
| Mean | 28.0 | 1.735 | 1.3 | 0.4 | 10.7 | 3.9 | 0.33 | 4.6 | 0.51 | 7.1 |
| Limit [%] | 20.0 | 20.0 | 123.9 | 175.0 | 70.0 | 40.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Limit [#] | 5.6 | 0.347 | 1.6 | 0.7 | 7.5 | 1.6 | 0.17 | 2.3 | 0.26 | 3.6 |

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XN CHECK ASSAY SHEET for XN series

Level L3

LOT
2142 1103

14-Aug-2022

| | RBC [10 ⁶ /μL] | HGB | | HCT | | MCV [fL] | MCH | | MCHC | |
|-----------|------------------------------|--------|----------|------|-------|-------------|------|--------|--------|----------|
| | | [g/dL] | [mmol/L] | [%] | [L/L] | | [pg] | [fmol] | [g/dL] | [mmol/L] |
| Range | 5.23 | 16.2 | 10.0 | 49.1 | 0.491 | 94.1 | 34.0 | 2.114 | 40.1 | 24.9 |
| | 4.73 | 15.2 | 9.4 | 40.1 | 0.401 | 85.1 | 29.0 | 1.800 | 30.3 | 18.7 |
| Mean | 4.98 | 15.7 | 9.7 | 44.6 | 0.446 | 89.6 | 31.5 | 1.957 | 35.2 | 21.8 |
| Limit [%] | 5.0 | 3.0 | 3.0 | 10.0 | 10.0 | 5.0 | 8.0 | 8.0 | 14.0 | 14.0 |
| Limit [#] | 0.25 | 0.5 | 0.3 | 4.5 | 0.045 | 4.5 | 2.5 | 0.157 | 4.9 | 3.1 |

| | PLT [10 ³ /μL] | RDW-SD [fL] | RDW-CV [%] | PDW [fL] | PCT [%] | MPV [fL] | P-LCR [%] | PLT-F [10 ³ /μL] | IPF [%] | IPF# [10 ³ /μL] |
|-----------|------------------------------|----------------|---------------|-------------|------------|-------------|--------------|--------------------------------|------------|-------------------------------|
| Range | 610 | 51.5 | 16.0 | 9.3 | 0.63 | 9.6 | 32.0 | 638 | 24.6 | 185.0 |
| | 510 | 42.1 | 13.0 | 7.3 | 0.37 | 8.4 | 0.0 | 472 | 14.6 | 32.6 |
| Mean | 560 | 46.8 | 14.5 | 8.3 | 0.50 | 9.0 | 12.8 | 555 | 19.6 | 108.8 |
| Limit [%] | 9.0 | 10.0 | 10.0 | 12.0 | 25.0 | 7.0 | 150.0 | 15.0 | 25.5 | 70.0 |
| Limit [#] | 50 | 4.7 | 1.5 | 1.0 | 0.13 | 0.6 | 19.2 | 83 | 5.0 | 76.2 |

| | WBC [10 ³ /μL] | WBC-D [10 ³ /μL] | WBC-P [10 ³ /μL] | NEUT# [10 ³ /μL] | LYMPH# [10 ³ /μL] | MONO# [10 ³ /μL] | EO# [10 ³ /μL] | BASO# [10 ³ /μL] | IG# [10 ³ /μL] | NRBC# [10 ³ /μL] |
|-----------|------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|
| Range | 17.52 | 17.99 | 17.53 | 9.29 | 4.63 | 2.84 | 2.85 | 1.42 | 2.53 | 1.67 |
| | 15.54 | 15.95 | 15.55 | 6.87 | 3.09 | 0.94 | 0.95 | 0.18 | 1.51 | 0.55 |
| Mean | 16.53 | 16.97 | 16.54 | 8.08 | 3.86 | 1.89 | 1.90 | 0.80 | 2.02 | 1.11 |
| Limit [%] | 6.0 | 6.0 | 6.0 | 15.0 | 20.0 | 50.0 | 50.0 | 78.0 | 25.0 | 50.0 |
| Limit [#] | 0.99 | 1.02 | 0.99 | 1.21 | 0.77 | 0.95 | 0.95 | 0.62 | 0.51 | 0.56 |

| | NEUT% [%] | LYMPH% [%] | MONO% [%] | EO% [%] | BASO% [%] | IG% [%] | NRBC% [%] | HPC% [%] | HPC# [10 ³ /μL] |
|-----------|--------------|---------------|--------------|------------|--------------|------------|--------------|-------------|-------------------------------|
| Range | 56.2 | 28.1 | 17.1 | 17.3 | 8.5 | 15.3 | 10.1 | 1.29 | 0.213 |
| | 41.6 | 18.7 | 5.7 | 5.7 | 1.1 | 9.1 | 3.3 | 0.69 | 0.115 |
| Mean | 48.9 | 23.4 | 11.4 | 11.5 | 4.8 | 12.2 | 6.7 | 0.99 | 0.164 |
| Limit [%] | 15.0 | 20.0 | 50.0 | 50.0 | 78.0 | 25.0 | 50.0 | 30.0 | 30.0 |
| Limit [#] | 7.3 | 4.7 | 5.7 | 5.8 | 3.7 | 3.1 | 3.4 | 0.30 | 0.049 |

| | RET# [10 ⁶ /μL] | RET% [%] | HFR [%] | MFR [%] | LFR [%] | IRF [%] | RET-He | | RBC-O [10 ⁶ /μL] | PLT-O [10 ³ /μL] |
|-----------|-------------------------------|-------------|------------|------------|------------|------------|--------|--------|--------------------------------|--------------------------------|
| | | | | | | | [pg] | [fmol] | | |
| Range | 0.0789 | 1.65 | 16.4 | 55.1 | 100.5 | 68.5 | 29.5 | 1.826 | 5.39 | 657 |
| | 0.0425 | 0.79 | 0.0 | 0.0 | 34.5 | 0.0 | 24.1 | 1.494 | 4.41 | 485 |
| Mean | 0.0607 | 1.22 | 5.4 | 27.1 | 67.5 | 32.5 | 26.8 | 1.660 | 4.90 | 571 |
| Limit [%] | 30.0 | 35.0 | 203.7 | 103.3 | 48.9 | 110.8 | 10.0 | 10.0 | 10.0 | 15.0 |
| Limit [#] | 0.0182 | 0.43 | 11.0 | 28.0 | 33.0 | 36.0 | 2.7 | 0.166 | 0.49 | 86 |

| | RBC-He | | HYPO-He [%] | HYPER-He [%] | MicroR [%] | MacroR [%] | AS-LYMP# [10 ³ /μL] | AS-LYMP% [%] | RE-LYMP# [10 ³ /μL] | RE-LYMP% [%] |
|-----------|--------|--------|----------------|-----------------|---------------|---------------|-----------------------------------|-----------------|-----------------------------------|-----------------|
| | [pg] | [fmol] | | | | | | | | |
| Range | 37.6 | 2.328 | 1.6 | 1.7 | 3.1 | 6.2 | 0.98 | 5.9 | 1.49 | 9.0 |
| | 25.0 | 1.552 | 0.0 | 0.0 | 0.3 | 2.6 | 0.32 | 1.9 | 0.49 | 3.0 |
| Mean | 31.3 | 1.940 | 0.5 | 0.7 | 1.7 | 4.4 | 0.65 | 3.9 | 0.99 | 6.0 |
| Limit [%] | 20.0 | 20.0 | 210.0 | 142.9 | 80.0 | 40.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Limit [#] | 6.3 | 0.388 | 1.1 | 1.0 | 1.4 | 1.8 | 0.33 | 2.0 | 0.50 | 3.0 |

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