

# XN CHECK ASSAY SHEET

## for XN-Series

### Level L1

**LOT**
**5215 1101**

**02-Nov-2025**

|           | RBC<br>[10 <sup>6</sup> /μL] | HGB    |          | HCT  |       | MCV<br>[fL] | MCH  |        | MCHC   |          |
|-----------|------------------------------|--------|----------|------|-------|-------------|------|--------|--------|----------|
|           |                              | [g/dL] | [mmol/L] | [%]  | [L/L] |             | [pg] | [fmol] | [g/dL] | [mmol/L] |
| Range     | 2.69                         | 6.4    | 4.0      | 20.1 | 0.201 | 75.1        | 25.9 | 1.612  | 38.3   | 23.8     |
|           | 2.43                         | 5.8    | 3.6      | 16.5 | 0.165 | 67.9        | 21.7 | 1.346  | 28.3   | 17.6     |
| Mean      | 2.56                         | 6.1    | 3.8      | 18.3 | 0.183 | 71.5        | 23.8 | 1.479  | 33.3   | 20.7     |
| Limit [%] | 5.0                          | 4.9    | 4.9      | 10.0 | 10.0  | 5.0         | 9.0  | 9.0    | 15.0   | 15.0     |
| Limit [#] | 0.13                         | 0.3    | 0.2      | 1.8  | 0.018 | 3.6         | 2.1  | 0.133  | 5.0    | 3.1      |

|           | PLT<br>[10 <sup>3</sup> /μL] | RDW-SD<br>[fL] | RDW-CV<br>[%] | PDW<br>[fL] | PCT<br>[%] | MPV<br>[fL] | P-LCR<br>[%] | PLT-F<br>[10 <sup>3</sup> /μL] | IPF<br>[%] | IPF#<br>[10 <sup>3</sup> /μL] |
|-----------|------------------------------|----------------|---------------|-------------|------------|-------------|--------------|--------------------------------|------------|-------------------------------|
| Range     | 126                          | 50.8           | 19.8          | 13.5        | 0.17       | 10.8        | 32.0         | 116                            | 24.2       | 31.0                          |
|           | 54                           | 41.6           | 16.2          | 1.5         | 0.00       | 7.2         | 0.0          | 50                             | 14.2       | 0.8                           |
| Mean      | 90                           | 46.2           | 18.0          | 7.5         | 0.08       | 9.0         | 12.8         | 83                             | 19.2       | 15.9                          |
| Limit [%] | 40.0                         | 10.0           | 10.0          | 80.0        | 116.0      | 20.0        | 150.0        | 40.0                           | 26.0       | 95.0                          |
| Limit [#] | 36                           | 4.6            | 1.8           | 6.0         | 0.09       | 1.8         | 19.2         | 33                             | 5.0        | 15.1                          |

|           | WBC<br>[10 <sup>3</sup> /μL] | WBC-D<br>[10 <sup>3</sup> /μL] | WBC-P<br>[10 <sup>3</sup> /μL] | NEUT#<br>[10 <sup>3</sup> /μL] | LYMPH#<br>[10 <sup>3</sup> /μL] | MONO#<br>[10 <sup>3</sup> /μL] | EO#<br>[10 <sup>3</sup> /μL] | BASO#<br>[10 <sup>3</sup> /μL] | IG#<br>[10 <sup>3</sup> /μL] | NRBC#<br>[10 <sup>3</sup> /μL] |
|-----------|------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|
| Range     | 3.34                         | 3.44                           | 3.39                           | 1.51                           | 1.37                            | 0.65                           | 0.45                         | 0.25                           | 0.42                         | 0.21                           |
|           | 2.74                         | 2.82                           | 2.77                           | 1.01                           | 0.59                            | 0.07                           | 0.15                         | 0.03                           | 0.22                         | 0.07                           |
| Mean      | 3.04                         | 3.13                           | 3.08                           | 1.26                           | 0.98                            | 0.36                           | 0.30                         | 0.14                           | 0.32                         | 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                           | 0.31                           | 0.25                           | 0.39                            | 0.29                           | 0.15                         | 0.11                           | 0.10                         | 0.07                           |

|           | NEUT%<br>[%] | LYMPH%<br>[%] | MONO%<br>[%] | EO%<br>[%] | BASO%<br>[%] | IG%<br>[%] | NRBC%<br>[%] | HPC%<br>[%] | HPC#<br>[10 <sup>3</sup> /μL] |
|-----------|--------------|---------------|--------------|------------|--------------|------------|--------------|-------------|-------------------------------|
| Range     | 49.8         | 45.1          | 21.2         | 14.9       | 8.2          | 13.7       | 6.9          | 1.46        | 0.045                         |
|           | 33.2         | 19.3          | 2.4          | 4.9        | 1.0          | 7.3        | 2.3          | 0.48        | 0.015                         |
| Mean      | 41.5         | 32.2          | 11.8         | 9.9        | 4.6          | 10.5       | 4.6          | 0.97        | 0.030                         |
| Limit [%] | 20.0         | 40.0          | 80.0         | 50.0       | 78.0         | 30.0       | 50.0         | 50.0        | 50.0                          |
| Limit [#] | 8.3          | 12.9          | 9.4          | 5.0        | 3.6          | 3.2        | 2.3          | 0.49        | 0.015                         |

|           | RET#<br>[10 <sup>6</sup> /μL] | RET%<br>[%] | HFR<br>[%] | MFR<br>[%] | LFR<br>[%] | IRF<br>[%] | RET-He |        | RBC-O<br>[10 <sup>3</sup> /μL] | PLT-O<br>[10 <sup>3</sup> /μL] |
|-----------|-------------------------------|-------------|------------|------------|------------|------------|--------|--------|--------------------------------|--------------------------------|
|           |                               |             |            |            |            |            | [pg]   | [fmol] |                                |                                |
| Range     | 0.1834                        | 6.61        | 14.8       | 48.6       | 108.6      | 60.4       | 25.4   | 1.579  | 2.85                           | 147                            |
|           | 0.0988                        | 4.41        | 0.0        | 0.0        | 42.6       | 0.0        | 20.8   | 1.291  | 2.33                           | 63                             |
| Mean      | 0.1411                        | 5.51        | 3.8        | 20.6       | 75.6       | 24.4       | 23.1   | 1.435  | 2.59                           | 105                            |
| Limit [%] | 30.0                          | 20.0        | 289.5      | 135.9      | 43.7       | 147.5      | 10.0   | 10.0   | 10.0                           | 40.0                           |
| Limit [#] | 0.0423                        | 1.10        | 11.0       | 28.0       | 33.0       | 36.0       | 2.3    | 0.144  | 0.26                           | 42                             |

|           | RBC-He |        | HYPO-He<br>[%] | HYPER-He<br>[%] | MicroR<br>[%] | MacroR<br>[%] | AS-LYMP#<br>[10 <sup>3</sup> /μL] | AS-LYMP%<br>[%] | RE-LYMP#<br>[10 <sup>3</sup> /μL] | RE-LYMP%<br>[%] |
|-----------|--------|--------|----------------|-----------------|---------------|---------------|-----------------------------------|-----------------|-----------------------------------|-----------------|
|           | [pg]   | [fmol] |                |                 |               |               |                                   |                 |                                   |                 |
| Range     | 29.8   | 1.844  | 7.5            | 0.9             | 38.1          | 3.2           | 0.26                              | 8.5             | 0.40                              | 13.1            |
|           | 19.8   | 1.230  | 0.9            | 0.0             | 9.5           | 1.0           | 0.06                              | 2.1             | 0.10                              | 3.3             |
| Mean      | 24.8   | 1.537  | 4.2            | 0.2             | 23.8          | 2.1           | 0.16                              | 5.3             | 0.25                              | 8.2             |
| Limit [%] | 20.0   | 20.0   | 78.0           | 350.0           | 60.0          | 50.0          | 60.0                              | 60.0            | 60.0                              | 60.0            |
| Limit [#] | 5.0    | 0.307  | 3.3            | 0.7             | 14.3          | 1.1           | 0.10                              | 3.2             | 0.15                              | 4.9             |

You may find some parameters that are not displayed on your instrument's IPU since their availability depends on the instrument's configuration.  
Please refer to the package insert for the handling procedure for XN CHECK.

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