

# XN CHECK ASSAY SHEET

## for XN-Series

Level L1

**LOT**

**6186 1101**



**04-Oct-2026**

|           | 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     | 2.71                         | 6.3    | 3.9      | 20.0 | 0.200 | 74.1        | 25.4 | 1.573  | 38.0   | 23.6     |
|           | 2.45                         | 5.7    | 3.5      | 16.4 | 0.164 | 67.1        | 21.2 | 1.313  | 28.0   | 17.4     |
| Mean      | 2.58                         | 6.0    | 3.7      | 18.2 | 0.182 | 70.6        | 23.3 | 1.443  | 33.0   | 20.5     |
| Limit [%] | 5.0                          | 5.0    | 5.0      | 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 | 3.5         | 2.1  | 0.130  | 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     | 119                          | 52.7           | 21.1          | 11.9        | 0.15       | 10.1        | 18.5         | 109                            | 24.1       | 29.1                          |
|           | 51                           | 43.1           | 17.3          | 1.3         | 0.00       | 6.7         | 0.0          | 47                             | 14.1       | 0.7                           |
| Mean      | 85                           | 47.9           | 19.2          | 6.6         | 0.07       | 8.4         | 7.4          | 78                             | 19.1       | 14.9                          |
| Limit [%] | 40.0                         | 10.0           | 10.0          | 80.0        | 116.0      | 20.0        | 150.0        | 40.0                           | 26.2       | 95.0                          |
| Limit [#] | 34                           | 4.8            | 1.9           | 5.3         | 0.08       | 1.7         | 11.1         | 31                             | 5.0        | 14.2                          |

|           | 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     | 3.29                         | 3.37                           | 3.36                           | 1.51                           | 1.37                            | 0.56                           | 0.45                         | 0.25                           | 0.42                         | 0.21                           |
|           | 2.69                         | 2.75                           | 2.74                           | 1.01                           | 0.59                            | 0.06                           | 0.15                         | 0.03                           | 0.22                         | 0.07                           |
| Mean      | 2.99                         | 3.06                           | 3.05                           | 1.26                           | 0.98                            | 0.31                           | 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                            | 0.25                           | 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     | 50.5         | 45.9          | 18.7         | 15.0       | 8.4          | 13.9       | 7.1          | 1.47        | 0.045                         |
|           | 33.7         | 19.7          | 2.1          | 5.0        | 1.0          | 7.5        | 2.3          | 0.49        | 0.015                         |
| Mean      | 42.1         | 32.8          | 10.4         | 10.0       | 4.7          | 10.7       | 4.7          | 0.98        | 0.030                         |
| Limit [%] | 20.0         | 40.0          | 80.0         | 50.0       | 78.0         | 30.0       | 50.0         | 50.0        | 50.0                          |
| Limit [#] | 8.4          | 13.1          | 8.3          | 5.0        | 3.7          | 3.2        | 2.4          | 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>6</sup> /μL] | PLT-O<br>[10 <sup>3</sup> /μL] |
|-----------|-------------------------------|-------------|------------|------------|------------|------------|--------|--------|--------------------------------|--------------------------------|
|           |                               |             |            |            |            |            | [pg]   | [fmol] |                                |                                |
| Range     | 0.1855                        | 6.64        | 16.9       | 56.9       | 98.2       | 70.8       | 25.9   | 1.602  | 2.77                           | 147                            |
|           | 0.0999                        | 4.42        | 0.0        | 0.9        | 32.2       | 0.0        | 21.1   | 1.310  | 2.27                           | 63                             |
| Mean      | 0.1427                        | 5.53        | 5.9        | 28.9       | 65.2       | 34.8       | 23.5   | 1.456  | 2.52                           | 105                            |
| Limit [%] | 30.0                          | 20.0        | 186.4      | 96.9       | 50.6       | 103.5      | 10.0   | 10.0   | 10.0                           | 40.0                           |
| Limit [#] | 0.0428                        | 1.11        | 11.0       | 28.0       | 33.0       | 36.0       | 2.4    | 0.146  | 0.25                           | 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     | 28.3   | 1.759  | 11.3           | 0.9             | 43.0          | 3.0           | 0.26                              | 8.6             | 0.40                              | 13.4            |
|           | 18.9   | 1.173  | 2.3            | 0.0             | 10.8          | 1.0           | 0.06                              | 2.2             | 0.10                              | 3.4             |
| Mean      | 23.6   | 1.466  | 6.8            | 0.2             | 26.9          | 2.0           | 0.16                              | 5.4             | 0.25                              | 8.4             |
| Limit [%] | 20.0   | 20.0   | 66.1           | 350.0           | 60.0          | 50.0          | 60.0                              | 60.0            | 60.0                              | 60.0            |
| Limit [#] | 4.7    | 0.293  | 4.5            | 0.7             | 16.1          | 1.0           | 0.10                              | 3.2             | 0.15                              | 5.0             |

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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