

< e-CHECK<sup>®</sup> (XE) ASSAY SHEET >

For XT-Series

Lot No. 73580810

Exp. date 2018-03-18

L1 : Level 1

| MODE   |        | RBC<br>10 <sup>6</sup> /uL | HGB  |        | HCT<br>% | MCV<br>fL | MCH  |      | MCHC |        | PLT<br>10 <sup>3</sup> /uL |
|--------|--------|----------------------------|------|--------|----------|-----------|------|------|------|--------|----------------------------|
|        |        |                            | g/dL | mmol/L |          |           | pg   | fmol | g/dL | mmol/L |                            |
| Open   | TARGET | 2.35                       | 5.9  | 3.7    | 17.8     | 75.7      | 25.1 | 1.57 | 33.1 | 20.8   | 58                         |
|        | LIMIT  | 0.12                       | 0.2  | 0.1    | 1.1      | 3.8       | 1.3  | 0.08 | 2.0  | 1.2    | 23                         |
| Closed | TARGET | 2.37                       | 6.0  | 3.7    | 17.8     | 75.1      | 25.3 | 1.56 | 33.7 | 20.8   | 57                         |
|        | LIMIT  | 0.12                       | 0.2  | 0.1    | 1.1      | 3.8       | 1.3  | 0.08 | 2.0  | 1.2    | 23                         |

| MODE   |        | RDW-SD | RDW-CV | PDW | PCT  | MPV | P-LCR |
|--------|--------|--------|--------|-----|------|-----|-------|
|        |        | fL     | %      | fL  | %    | fL  | %     |
| Open   | TARGET | 46.0   | 16.9   | 8.1 | 0.05 | 9.2 | 14.8  |
|        | LIMIT  | 6.9    | 2.5    | 1.6 | 0.03 | 1.4 | 12.6  |
| Closed | TARGET | 45.7   | 16.9   | 8.1 | 0.05 | 9.2 | 14.5  |
|        | LIMIT  | 6.9    | 2.5    | 1.6 | 0.03 | 1.4 | 12.3  |

| MODE   |        | WBC                 | WBC-D <sup>*1</sup> | NEUT#               | LYMPH#              | MONO#               | EO#                 | BASO#               | PLT-O               |
|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |        | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL |
| Open   | TARGET | 2.98                | 2.82                | 1.35                | 1.03                | 0.32                | 0.28                | 1.79                | 57                  |
|        | LIMIT  | 0.30                | 0.28                | 0.41                | 0.41                | 0.29                | 0.14                | 1.49                | 26                  |
| Closed | TARGET | 2.97                | 2.77                | 1.33                | 1.04                | 0.32                | 0.28                | 1.81                | 57                  |
|        | LIMIT  | 0.30                | 0.28                | 0.40                | 0.42                | 0.29                | 0.14                | 1.46                | 26                  |

| MODE   |        | RET#                | RET% | RBC-O               | HFR | MFR  | LFR  | IRF  |
|--------|--------|---------------------|------|---------------------|-----|------|------|------|
|        |        | 10 <sup>6</sup> /uL | %    | 10 <sup>6</sup> /uL | %   | %    | %    | %    |
| Open   | TARGET | 0.1262              | 5.37 | 2.45                | 3.6 | 22.2 | 74.2 | 25.8 |
|        | LIMIT  | 0.0379              | 1.61 | 0.25                | 8.0 | 28.0 | 33.0 | 36.0 |
| Closed | TARGET | 0.1160              | 4.89 | 2.51                | 4.3 | 23.1 | 72.6 | 27.4 |
|        | LIMIT  | 0.0348              | 1.47 | 0.25                | 8.0 | 28.0 | 33.0 | 36.0 |

| MODE   |        | IG# <sup>*2</sup><br>10 <sup>3</sup> /uL | RET-He <sup>*3</sup> |      |
|--------|--------|--|----------------------|------|
|        |        |  | pg                   | fmol |
| Open   | TARGET | 0.35                                     | 23.6                 | 1.46 |
|        | LIMIT  | 0.11                                     | 2.4                  | 0.15 |
| Closed | TARGET | 0.36                                     | 23.7                 | 1.47 |
|        | LIMIT  | 0.11                                     | 2.4                  | 0.15 |

\*1 : Available only on XT-4000i.

\*2 : Available only on XT-4000i, XT-2000i, or XT-1800i installed the optional software, XT IG master.

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U.S. Patents 5,432,089; 6,200,500; 6,221,668; 6,399,388; 6,403,377; 6,406,915

< e-CHECK<sup>®</sup>(XE) ASSAY SHEET >

For XT-Series

Lot No. 73590811

Exp. date 2018-03-18

**L2 : Level 2**

| MODE   |        | RBC<br>10 <sup>6</sup> /uL | HGB  |        | HCT<br>% | MCV<br>fL | MCH  |      | MCHC |        | PLT<br>10 <sup>3</sup> /uL |
|--------|--------|----------------------------|------|--------|----------|-----------|------|------|------|--------|----------------------------|
|        |        |                            | g/dL | mmol/L |          |           | pg   | fmol | g/dL | mmol/L |                            |
| Open   | TARGET | 4.45                       | 12.6 | 7.8    | 36.8     | 82.7      | 28.3 | 1.75 | 34.2 | 21.2   | 226                        |
|        | LIMIT  | 0.22                       | 0.4  | 0.2    | 1.8      | 4.1       | 1.4  | 0.09 | 2.1  | 1.3    | 34                         |
| Closed | TARGET | 4.46                       | 12.8 | 7.9    | 36.8     | 82.5      | 28.7 | 1.77 | 34.8 | 21.5   | 218                        |
|        | LIMIT  | 0.22                       | 0.4  | 0.2    | 1.8      | 4.1       | 1.4  | 0.09 | 2.1  | 1.3    | 33                         |

| MODE   |        | RDW-SD | RDW-CV | PDW | PCT  | MPV | P-LCR |
|--------|--------|--------|--------|-----|------|-----|-------|
|        |        | fL     | %      | fL  | %    | fL  | %     |
| Open   | TARGET | 44.8   | 15.2   | 8.5 | 0.22 | 9.6 | 15.9  |
|        | LIMIT  | 6.7    | 2.3    | 1.7 | 0.07 | 1.4 | 8.0   |
| Closed | TARGET | 44.7   | 15.2   | 8.5 | 0.21 | 9.5 | 15.7  |
|        | LIMIT  | 6.7    | 2.3    | 1.7 | 0.06 | 1.4 | 7.9   |

| MODE   |        | WBC                 | WBC-D <sup>*1</sup> | NEUT#               | LYMPH#              | MONO#               | EO#                 | BASO#               | PLT-O               |
|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |        | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL |
| Open   | TARGET | 7.15                | 6.30                | 3.47                | 2.20                | 0.76                | 0.72                | 4.63                | 210                 |
|        | LIMIT  | 0.43                | 0.38                | 1.04                | 0.66                | 0.68                | 0.36                | 3.61                | 32                  |
| Closed | TARGET | 6.85                | 6.53                | 3.31                | 2.08                | 0.74                | 0.72                | 4.41                | 217                 |
|        | LIMIT  | 0.41                | 0.39                | 0.99                | 0.62                | 0.67                | 0.36                | 3.44                | 33                  |

| MODE   |        | RET#                | RET% | RBC-O               | HFR | MFR  | LFR  | IRF  |
|--------|--------|---------------------|------|---------------------|-----|------|------|------|
|        |        | 10 <sup>6</sup> /uL | %    | 10 <sup>6</sup> /uL | %   | %    | %    | %    |
| Open   | TARGET | 0.0826              | 1.86 | 4.49                | 1.7 | 16.3 | 82.0 | 18.0 |
|        | LIMIT  | 0.0248              | 0.56 | 0.45                | 8.0 | 28.0 | 33.0 | 36.0 |
| Closed | TARGET | 0.0866              | 1.94 | 4.74                | 2.0 | 16.0 | 82.0 | 18.0 |
|        | LIMIT  | 0.0260              | 0.58 | 0.47                | 8.0 | 28.0 | 33.0 | 36.0 |

| MODE   |        | IG# <sup>*2</sup><br>10 <sup>3</sup> /uL | RET-He <sup>*3</sup> |      |
|--------|--------|--|----------------------|------|
|        |        |  | pg                   | fmol |
| Open   | TARGET | 0.92                                     | 24.5                 | 1.52 |
|        | LIMIT  | 0.28                                     | 2.5                  | 0.15 |
| Closed | TARGET | 0.88                                     | 24.5                 | 1.52 |
|        | LIMIT  | 0.26                                     | 2.5                  | 0.15 |

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For XT-Series

Lot No. 73580812

Exp. date 2018-03-18

**L3 : Level 3**

| MODE   |        | RBC<br>10 <sup>6</sup> /uL | HGB  |        | HCT<br>% | MCV<br>fL | MCH  |      | MCHC |        | PLT<br>10 <sup>3</sup> /uL |
|--------|--------|----------------------------|------|--------|----------|-----------|------|------|------|--------|----------------------------|
|        |        |                            | g/dL | mmol/L |          |           | pg   | fmol | g/dL | mmol/L |                            |
| Open   | TARGET | 5.34                       | 16.7 | 10.4   | 47.9     | 89.7      | 31.3 | 1.95 | 34.9 | 21.7   | 540                        |
|        | LIMIT  | 0.27                       | 0.5  | 0.3    | 2.4      | 4.5       | 1.6  | 0.10 | 2.1  | 1.3    | 70                         |
| Closed | TARGET | 5.31                       | 16.9 | 10.5   | 48.1     | 90.5      | 31.8 | 1.98 | 35.1 | 21.8   | 503                        |
|        | LIMIT  | 0.27                       | 0.5  | 0.3    | 2.4      | 4.5       | 1.6  | 0.10 | 2.1  | 1.3    | 65                         |

| MODE   |        | RDW-SD | RDW-CV | PDW | PCT  | MPV | P-LCR |
|--------|--------|--------|--------|-----|------|-----|-------|
|        |        | fL     | %      | fL  | %    | fL  | %     |
| Open   | TARGET | 43.4   | 13.8   | 9.2 | 0.53 | 9.8 | 17.7  |
|        | LIMIT  | 6.5    | 2.1    | 1.8 | 0.13 | 1.5 | 8.9   |
| Closed | TARGET | 43.2   | 13.8   | 9.1 | 0.49 | 9.8 | 17.7  |
|        | LIMIT  | 6.5    | 2.1    | 1.8 | 0.12 | 1.5 | 8.9   |

| MODE   |        | WBC                 | WBC-D <sup>*1</sup> | NEUT#               | LYMPH#              | MONO#               | EO#                 | BASO#               | PLT-O               |
|--------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |        | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL | 10 <sup>3</sup> /uL |
| Open   | TARGET | 18.31               | 17.00               | 9.65                | 4.69                | 1.99                | 1.98                | 13.16               | 566                 |
|        | LIMIT  | 1.10                | 1.02                | 2.90                | 1.41                | 1.79                | 0.99                | 10.26               | 85                  |
| Closed | TARGET | 17.69               | 17.31               | 9.19                | 4.61                | 1.85                | 2.04                | 12.68               | 566                 |
|        | LIMIT  | 1.06                | 1.04                | 2.76                | 1.38                | 1.67                | 1.02                | 9.89                | 85                  |

| MODE   |        | RET#                | RET% | RBC-O               | HFR | MFR  | LFR  | IRF  |
|--------|--------|---------------------|------|---------------------|-----|------|------|------|
|        |        | 10 <sup>6</sup> /uL | %    | 10 <sup>6</sup> /uL | %   | %    | %    | %    |
| Open   | TARGET | 0.0368              | 0.69 | 5.36                | 2.0 | 14.4 | 83.6 | 16.4 |
|        | LIMIT  | 0.0110              | 0.21 | 0.54                | 8.0 | 28.0 | 33.0 | 36.0 |
| Closed | TARGET | 0.0369              | 0.69 | 5.64                | 2.1 | 13.8 | 84.1 | 15.9 |
|        | LIMIT  | 0.0111              | 0.21 | 0.56                | 8.0 | 28.0 | 33.0 | 36.0 |

| MODE   |        | IG# <sup>*2</sup><br>10 <sup>3</sup> /uL | RET-He <sup>*3</sup> |        |
|--------|--------|--|----------------------|--------|
|        |        |  | pg                   | fmol   |
|        |        |  | Open                 | TARGET |
| LIMIT  | 0.67   | 2.4                                      |                      | 0.15   |
| Closed | TARGET | 2.55                                     | 24.4                 | 1.51   |
|        | LIMIT  | 0.64                                     | 2.4                  | 0.15   |

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