

## 新舊血液學分析儀數據比較

| ID                 | Name    | WBC count          | NEU count          | LYM count          | MONO count         | EOS count          | BASO count         | NEU % value | LYM % value | MONO % value | EOS % value | BASO % value |
|--------------------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|--------------|-------------|--------------|
|                    |         | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | %           | %           | %            | %           | %            |
| 舊<br>Abbott 3700   | SD1     | 12.4               | 1.16               | 10                 | 0.625              | 0.287              | 0.253              | 9.38        | 81.2        | 5.05         | 2.32        | 2.04         |
|                    | SD2     | 13.5               | 1.91               | 10.2               | 0.88               | 0.224              | 0.233              | 14.2        | 75.9        | 6.54         | 1.66        | 1.73         |
|                    | SD3     | 10.5               | 1.35               | 8.2                | 0.531              | 0.288              | 0.143              | 12.8        | 78          | 5.05         | 2.75        | 1.37         |
|                    | SD4     | 11.3               | 1.2                | 9.32               | 0.484              | 0.128              | 0.169              | 10.6        | 82.5        | 4.28         | 1.14        | 1.5          |
|                    | SD5     | 14.1               | 1.72               | 11.2               | 0.783              | 0.202              | 0.204              | 12.2        | 79.4        | 5.54         | 1.43        | 1.44         |
|                    | mean±SD | 12.36±1.49         | 1.47±0.33          | 9.7±1.1            | 0.66±0.17          | 0.23±0.07          | 0.2±0.045          | 11.84±1.88  | 79.4±2.6    | 5.29±0.83    | 1.86±0.66   | 1.62±0.27    |
| 新<br>IDEXX ProCyte | SD1     | 14.43±0.22         | 1.17±0.05          | 12.62±0.28         | 0.51±0.13          | 0.11±0.01          | 0.03±0.01          | 8.13±0.386  | 87.43±0.866 | 3.5±0.935    | 0.78±0.05   | 0.18±0.096   |
|                    | SD2     | 14±0.17            | 2.1±0.08           | 11.19±0.07         | 0.51±0.20          | 0.18±0.015         | 0.03±0.006         | 15.03±0.492 | 79.9±1.296  | 3.65±1.382   | 1.28±0.096  | 0.15±0.058   |
|                    | SD3     | 11.64±0.05         | 1.38±0.02          | 9.84±0.17          | 0.27±0.18          | 0.14±0.021         | 0.01±0.006         | 11.8±0.265  | 84.5±1.735  | 2.33±1.531   | 1.23±0.208  | 0.13±0.058   |
|                    | SD4     | 12.19±0.13         | 1.25±0.04          | 10.47±0.13         | 0.39±0.16          | 0.06±0.012         | 0.02±0.006         | 10.2±0.2    | 85.9±1.153  | 3.2±1.323    | 0.53±0.115  | 0.17±0.058   |
|                    | SD5     | 13.75±0.12         | 1.76±0.10          | 11.26±0.19         | 0.59±0.11          | 0.13±0.01          | 0.02±0.006         | 12.73±0.737 | 81.9±1.473  | 4.3±0.794    | 0.97±0.058  | 0.1±0        |
|                    | mean±SD | 13.2±1.22          | 1.53±0.39          | 11±1               | 0.45±0.13          | 0.12±0.04          | 0.022±0.008        | 11.58±2.6   | 83.93±3.03  | 3.4±0.72     | 0.96±0.31   | 0.15±0.03    |

| ID                     | Name    | RBC count           | HGB value  | HCT value  | MCV value  | MCH value  | MCHC value | RDW value  | PLT count          | MPV value | PCT value  | PDW value  |
|------------------------|---------|---------------------|------------|------------|------------|------------|------------|------------|--------------------|-----------|------------|------------|
|                        |         | 10 <sup>12</sup> /L | g/dL       | %          | fL         | pg         | g/dL       | %          | 10 <sup>9</sup> /L | fL        |            | %          |
| 舊<br>Abbott<br>3700    | SD1     | 6.94                | 13.8       | 63.6       | 91.6       | 19.9       | 21.8       | 15.4       | 914                | 7.49      | 0.684      | 17.4       |
|                        | SD2     | 6.31                | 13.2       | 58.9       | 93.3       | 20.8       | 22.3       | 13.5       | 1102               | 6.83      | 0.753      | 16.8       |
|                        | SD3     | 7.02                | 14         | 64.3       | 91.6       | 19.9       | 21.8       | 14.8       | 1101               | 6.65      | 0.732      | 17.1       |
|                        | SD4     | 7.54                | 15         | 67.5       | 89.6       | 19.9       | 22.3       | 16         | 777                | 7.2       | 0.559      | 17.7       |
|                        | SD5     | 6.29                | 13.5       | 59.2       | 94.1       | 21.5       | 22.9       | 15.7       | 1099               | 6.82      | 0.75       | 16.8       |
|                        | mean±SD | 6.82±0.53           | 13.9±0.69  | 62.7±3.64  | 92.04±1.74 | 20.4±0.73  | 22.22±0.45 | 15.08±0.99 | 999±148            | 7±0.34    | 0.7±0.08   | 17.16±0.39 |
| 新<br>IDEXX<br>ProCytte | SD1     | 7.23±0.06           | 13.7±0.12  | 41.2±0.55  | 57.0±0.37  | 19.03±0.09 | 33.35±0.17 | 26.8±0.4   | 942.7±28.1         | 7.23±0.09 | 0.69±0.026 | 8.55±0.1   |
|                        | SD2     | 6.61±0.02           | 12.8±0.09  | 38.±0.43   | 58.0±0.76  | 19.5±0.16  | 33.58±0.44 | 25.8±0.6   | 1131.2±108.5       | 6.95±0.1  | 0.79±0.087 | 8.23±0.17  |
|                        | SD3     | 7.47±0.02           | 14.1±0.1   | 42.7±0.23  | 57.2±0.35  | 18.87±0.15 | 32.97±0.11 | 26.5±0.3   | 1191.6±26.72       | 6.77±0.11 | 0.81±0.025 | 7.97±0.11  |
|                        | SD4     | 7.78±0.04           | 14.7±0.05  | 45.5±0.43  | 58.5±0.41  | 18.93±0.11 | 32.4±0.17  | 28.0±0.1   | 778.3±63.84        | 7.3±0.1   | 0.57±0.055 | 8.57±0.15  |
|                        | SD5     | 6.61±0.01           | 12.8±0.15  | 38.4±0.30  | 58.1±0.45  | 19.43±0.20 | 33.43±0.20 | 27±0.2     | 1089.3±74.0        | 6.77±0.05 | 0.74±0.053 | 7.9±0.1    |
|                        | mean±SD | 7.14±0.52           | 13.62±0.83 | 41.16±3.11 | 57.76±0.63 | 19.15±0.29 | 33.15±0.47 | 26.82±0.8  | 1027±166           | 7±0.25    | 0.72±0.1   | 8.24±0.31  |



|                 | Name    | WBC count          | NEU count          | LYM count          | MONO count         | EOS count          | BASO count         | NEU % value | LYM % value | MONO % value | EOS % value | BASO % value |
|-----------------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|--------------|-------------|--------------|
|                 |         | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | %           | %           | %            | %           | %            |
| 新 Abbott 3700   | ICR1    | 6.12               | 0.857              | 5.01               | 0.058              | 0.101              | 0.094              | 14          | 81.8        | 0.948        | 1.65        | 1.54         |
|                 | ICR2    | 3.95               | 1.32               | 2.34               | 0.156              | 0.046              | 0.093              | 33.4        | 59.1        | 3.96         | 1.15        | 2.36         |
|                 | ICR3    | 5.23               | 0.843              | 4.19               | 0.016              | 0.146              | 0.03               | 16.1        | 80.2        | 0.312        | 2.79        | 0.583        |
|                 | ICR4    | 5.14               | 1.12               | 3.78               | 0.054              | 0.088              | 0.092              | 21.9        | 73.6        | 1.05         | 1.71        | 1.8          |
|                 | ICR5    | 7.89               | 1.85               | 5.82               | 0.029              | 0.071              | 0.121              | 23.4        | 73.8        | 0.365        | 0.904       | 1.54         |
|                 | ICR6    | 6.04               | 0.877              | 4.7                | 0.206              | 0.106              | 0.155              | 14.5        | 77.7        | 3.41         | 1.76        | 2.57         |
|                 | ICR7    | 7.82               | 2.98               | 3.96               | 0.586              | 0.086              | 0.21               | 38.1        | 50.6        | 7.49         | 1.1         | 2.68         |
|                 | ICR8    | 5.46               | 0.833              | 4.44               | 0.021              | 0.059              | 0.102              | 15.3        | 81.4        | 0.392        | 1.09        | 1.87         |
|                 | ICR9    | 6.56               | 3.56               | 2.43               | 0.418              | 0.054              | 0.101              | 54.3        | 37          | 6.37         | 0.821       | 1.53         |
|                 | ICR10   | 5.4                | 0.871              | 4.33               | 0.048              | 0.056              | 0.093              | 16.1        | 80.2        | 0.893        | 1.04        | 1.73         |
|                 | mean±SD | 5.96±1.22          | 1.51±0.99          | 4.1±1.0            | 0.16±0.19          | 0.08±0.03          | 0.109±0.047        | 24.71±13.32 | 69.54±15.44 | 2.52±2.66    | 1.4±0.59    | 1.82±0.61    |
| 新 IDEXX ProCyte | ICR1    | 6.38±0.05          | 0.98±0.062         | 5.23±0.058         | 0.07±0.01          | 0.1±0.006          | 0.01±0.005         | 15.3±0.887  | 81.95±1.103 | 1.03±0.15    | 1.5±0.115   | 0.23±0.05    |
|                 | ICR2    | 5.07±0.133         | 1.33±0.077         | 3.61±0.087         | 0.08±0.006         | 0.05±0             | 0.01±0.01          | 26.18±1.021 | 71.2±1.086  | 1.48±0.15    | 1±0         | 0.15±0.191   |
|                 | ICR3    | 4.87±0.107         | 0.92±0.059         | 3.8±0.119          | 0.03±0.01          | 0.11±0.008         | 0.01±0.006         | 18.88±1.302 | 78.1±1.344  | 0.65±0.191   | 2.28±0.171  | 0.1±0.115    |
|                 | ICR4    | 5.28±0.117         | 1.02±0.052         | 3.88±0.088         | 0.3±0.008          | 0.07±0.008         | 0.01±0.005         | 19.38±0.756 | 73.42±0.705 | 5.72±0.249   | 1.36±0.167  | 0.12±0.11    |
|                 | ICR5    | 8.44±0.211         | 2.01±0.057         | 6.24±0.164         | 0.1±0.01           | 0.08±0.013         | 0.01±0             | 23.88±0.275 | 73.95±0.1   | 1.15±0.129   | 0.93±0.171  | 0.1±0        |
|                 | ICR6    | 6.72±0.139         | 0.98±0.059         | 5.57±0.099         | 0.07±0.017         | 0.09±0.014         | 0.02±0.006         | 14.48±0.714 | 82.93±0.718 | 1.03±0.263   | 1.35±0.238  | 0.23±0.096   |
|                 | ICR7    | 8.56±0.113         | 3.24±0.124         | 4.96±0.068         | 0.26±0.026         | 0.09±0.005         | 0.01±0.005         | 37.88±1.078 | 57.93±1.097 | 3.08±0.299   | 1±0.082     | 0.13±0.05    |
|                 | ICR8    | 6.4±0.102          | 0.98±0.05          | 5.33±0.089         | 0.04±0.01          | 0.05±0.006         | 0.01±0.008         | 15.18±0.732 | 83.28±0.925 | 0.68±0.15    | 0.7±0.115   | 0.18±0.126   |
|                 | ICR9    | 7.03±0.116         | 3.46±0.072         | 3.13±0.042         | 0.4±0.013          | 0.04±0.005         | 0±0                | 49.2±0.337  | 44.55±0.436 | 5.63±0.126   | 0.63±0.05   | 0±0          |
|                 | ICR10   | 5.22±0.073         | 0.97±0.045         | 4.12±0.114         | 0.07±0.005         | 0.05±0.005         | 0.01±0.01          | 18.53±0.981 | 78.93±1.239 | 1.38±0.096   | 1.03±0.126  | 0.15±0.191   |
|                 | mean±SD | 6.4±1.34           | 1.59±0.99          | 4.5±1              | 0.14±0.13          | 0.07±0.02          | 0.01±0.005         | 23.89±11.32 | 72.62±12.41 | 2.18±1.96    | 1.18±0.48   | 0.14±0.07    |



| ID                    | Name    | RBC count           | HGB value  | HCT value  | MCV value  | MCH value  | MCHC value | RDW value  | PLT count          | MPV value  | PCT value  | PDW value  |
|-----------------------|---------|---------------------|------------|------------|------------|------------|------------|------------|--------------------|------------|------------|------------|
|                       |         | 10 <sup>12</sup> /L | g/dL       | %          | fL         | pg         | g/dL       | %          | 10 <sup>9</sup> /L | fL         |            | %          |
| 舊<br>Abbott<br>3700   | ICR1    | 9.7                 | 15.2       | 53.8       | 55.5       | 15.6       | 28.2       | 21.7       | 659                | 5.5        | 0.363      | 18.9       |
|                       | ICR2    | 9.79                | 15.9       | 52.9       | 54         | 16.3       | 30.1       | 19.3       | 762                | 5.6        | 0.427      | 18.5       |
|                       | ICR3    | 9.73                | 15.9       | 53.4       | 54.9       | 16.3       | 29.8       | 19         | 658                | 5.49       | 0.361      | 19.2       |
|                       | ICR4    | 9.48                | 14.6       | 50.9       | 53.7       | 15.4       | 28.6       | 18.7       | 857                | 5.66       | 0.485      | 19.4       |
|                       | ICR5    | 9.58                | 15.5       | 52.4       | 54.6       | 16.2       | 29.6       | 20         | 749                | 5.42       | 0.406      | 19.4       |
|                       | ICR6    | 9.06                | 14.9       | 51.4       | 56.8       | 16.4       | 28.9       | 20         | 893                | 5.35       | 0.477      | 20.8       |
|                       | ICR7    | 9.4                 | 15.3       | 53         | 56.4       | 16.3       | 28.9       | 21.9       | 837                | 6.03       | 0.505      | 18.1       |
|                       | ICR8    | 9.85                | 15.9       | 51.8       | 52.7       | 16.2       | 30.7       | 18         | 782                | 5.38       | 0.421      | 20         |
|                       | ICR9    | 9                   | 14.9       | 51         | 56.7       | 16.6       | 29.3       | 18.4       | 868                | 5.5        | 0.477      | 19         |
|                       | ICR10   | 9.21                | 15.9       | 52.3       | 56.8       | 17.2       | 30.3       | 18.5       | 651                | 5.43       | 0.354      | 17.9       |
|                       | mean±SD | 9.48±0.31           | 15.4±0.49  | 52.29±1    | 55.21±1.46 | 16.25±0.49 | 29.44±0.8  | 19.55±1.35 | 772±92             | 5.54±0.2   | 0.43±0.06  | 19.12±0.87 |
| 新<br>IDEXX<br>ProCyte | ICR1    | 10.15±0.1           | 15.5±0.08  | 53.93±0.45 | 53.35±0.37 | 15.33±0.18 | 28.75±0.23 | 33.48±0.05 | 691.25±34.664      | 6.38±0.096 | 0.44±0.029 | 7.45±0.208 |
|                       | ICR2    | 10.4±0.036          | 15.9±0.05  | 53.5±0.53  | 51.45±0.46 | 15.3±0     | 29.8±0.28  | 29.95±0.12 | 788.75±44.717      | 6.53±0.05  | 0.52±0.034 | 7.68±0.096 |
|                       | ICR3    | 10.38±0.03          | 15.92±0.09 | 54.02±0.56 | 52.07±0.53 | 15.38±0.05 | 29.48±0.37 | 32.23±0.22 | 698.25±43.061      | 6.33±0.096 | 0.44±0.033 | 7.43±0.096 |
|                       | ICR4    | 10.2±0.075          | 14.74±0.11 | 52.7±0.46  | 51.68±0.47 | 14.46±0.08 | 27.96±0.25 | 30.9±0.255 | 871.6±56.252       | 6.18±0.13  | 0.54±0.044 | 7.36±0.152 |
|                       | ICR5    | 10.24±0.09          | 15.77±0.12 | 54.07±0.97 | 52.82±0.46 | 15.4±0.082 | 29.18±0.37 | 31.88±0.15 | 804.75±31.479      | 6.53±0.126 | 0.53±0.029 | 7.73±0.126 |
|                       | ICR6    | 9.64±0.1            | 14.85±0.12 | 52.45±0.77 | 54.42±0.49 | 15.4±0.082 | 28.3±0.2   | 31.88±0.52 | 878±35             | 6.15±0.129 | 0.54±0.032 | 7.05±0.238 |
|                       | ICR7    | 10.23±0.01          | 15.3±0.08  | 56.07±0.41 | 54.8±0.34  | 14.98±0.09 | 27.3±0.141 | 35.7±0.216 | 914.25±37.017      | 6.33±0.096 | 0.58±0.032 | 7.55±0.191 |
|                       | ICR8    | 10.71±0.08          | 15.6±0.14  | 54.57±0.92 | 50.95±0.46 | 14.58±0.05 | 28.58±0.23 | 30.88±0.25 | 809.75±24.405      | 6.13±0.15  | 0.5±0.017  | 7.28±0.096 |
|                       | ICR9    | 9.8±0.037           | 14.95±0.05 | 52.1±0.61  | 53.17±0.47 | 15.25±0.05 | 28.7±0.271 | 33.15±0.31 | 850.5±21.81        | 6.1±0.082  | 0.52±0.021 | 7.18±0.096 |
|                       | ICR10   | 9.89±0.057          | 15.425±0.0 | 54.6±0.45  | 55.22±0.37 | 15.63±0.05 | 28.25±0.17 | 32.95±0.20 | 623.25±31.085      | 6.38±0.096 | 0.4±0.028  | 7.45±0.1   |
|                       | mean±SD | 10.16±0.32          | 15.4±0.43  | 53.8±1.18  | 52.99±1.47 | 15.17±0.38 | 28.63±0.74 | 32.3±1.63  | 793±94             | 6.3±0.16   | 0.5±0.06   | 7.42±0.21  |



|                 | Name    | WBC count          | NEU count          | LYM count          | MONO count         | EOS count          | BASO count         | NEU % value | LYM % value | MONO % value | EOS % value | BASO % value |
|-----------------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|--------------|-------------|--------------|
|                 |         | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | 10 <sup>9</sup> /L | %           | %           | %            | %           | %            |
| 新 Abbott 3700   | B6 1    | 8.49               | 0.521              | 7.53               | 0.147              | 0.157              | 0.135              | 6.14        | 88.7        | 1.73         | 1.85        | 1.59         |
|                 | B6 2    | 10                 | 0.692              | 8.36               | 0.505              | 0.216              | 0.242              | 6.91        | 83.5        | 5.04         | 2.15        | 2.42         |
|                 | B6 3    | 9.24               | 1.07               | 7.69               | 0.296              | 0.091              | 0.096              | 11.6        | 83.2        | 3.2          | 0.98        | 1.04         |
|                 | B6 4    | 7.96               | 1.59               | 6.2                | 0.025              | 0.101              | 0.042              | 20          | 77.9        | 0.316        | 1.26        | 0.532        |
|                 | B6 5    | 8.77               | 1.03               | 7.19               | 0.437              | 0.001              | 0.116              | 11.7        | 82          | 4.98         | 0.015       | 1.32         |
|                 | B6 6    | 10.4               | 0.719              | 8.81               | 0.3                | 0.375              | 0.158              | 6.94        | 85          | 2.9          | 3.62        | 1.52         |
|                 | B6 7    | 6.14               | 0.451              | 5.43               | 0.032              | 0.172              | 0.059              | 7.34        | 88.4        | 0.527        | 2.8         | 0.963        |
|                 | B6 8    | 8.12               | 0.451              | 7.02               | 0.183              | 0.243              | 0.221              | 5.56        | 86.5        | 2.25         | 3           | 2.72         |
|                 | B6 9    | 11.4               | 0.623              | 9.81               | 0.209              | 0.557              | 0.185              | 5.47        | 86.2        | 1.84         | 4.9         | 1.63         |
|                 | B6 10   | 12.5               | 0.657              | 11.3               | 0.095              | 0.319              | 0.138              | 5.26        | 90.3        | 0.757        | 2.56        | 1.1          |
|                 | mean±SD | 9.3±1.84           | 0.78±0.36          | 7.93±1.72          | 0.22±0.16          | 0.22±0.16          | 0.139±0.065        | 8.69±4.62   | 85.17±3.68  | 2.35±1.69    | 2.31±1.4    | 1.48±0.67    |
| 新 IDEXX ProCyte | B6 1    | 8.41±0.03          | 0.67±0.04          | 7.27±0.06          | 0.22±0.03          | 0.23±0.01          | 0.003±0.006        | 8±0.62      | 86.4±1.05   | 2.67±0.31    | 2.57±0.35   | 0.033±0.058  |
|                 | B6 2    | 9.73±0.18          | 0.77±0.03          | 8.13±0.1           | 0.61±0.07          | 0.21±0.01          | 0.013±0.012        | 7.93±0.25   | 83.53±0.51  | 6.27±0.61    | 2.13±0.12   | 0.133±0.115  |
|                 | B6 3    | 8.68±0.16          | 1.2±0.05           | 6.88±0.12          | 0.37±0.02          | 0.13±0.01          | 0.007±0.006        | 14.37±0.85  | 79.27±1.9   | 4.2±0.26     | 1.47±0.12   | 0.067±0.058  |
|                 | B6 4    | 8.03±0.14          | 1.71±0.03          | 6.05±0.17          | 0.17±0.02          | 0.09±0.01          | 0.003±0.006        | 21.3±0.69   | 75.37±0.81  | 2.17±0.21    | 1.13±0.06   | 0.033±0.058  |
|                 | B6 5    | 8.57±0.05          | 0.87±0.05          | 6.96±0.03          | 0.46±0.01          | 0.27±0.01          | 0.007±0.006        | 10.2±0.6    | 81.3±0.44   | 5.3±0.1      | 3.13±0.15   | 0.067±0.058  |
|                 | B6 6    | 10.57±0.09         | 0.84±0.01          | 8.88±0.06          | 0.44±0.03          | 0.4±0.02           | 0.01±0.01          | 7.9±0       | 84.07±0.23  | 4.13±0.21    | 3.8±0.1     | 0.1±0.1      |
|                 | B6 7    | 8.03±0.06          | 0.54±0.05          | 5.18±0.07          | 0.13±0.03          | 0.23±0.06          | 0.01±0.01          | 9.03±0.85   | 86.97±1.72  | 1.47±0.4     | 3.33±0.12   | 0.167±0.153  |
|                 | B6 8    | 8.65±0.16          | 0.56±0.1           | 7.81±0.03          | 0.14±0.01          | 0.27±0.01          | 0.01±0             | 5.8±0.3     | 88.8±0.98   | 1.47±0.32    | 3.17±0.15   | 0.1±0        |
|                 | B6 9    | 11.27±0.21         | 0.75±0.09          | 9.71±0.12          | 0.11±0.02          | 0.6±0.02           | 0.01±0             | 6.97±1.05   | 82.83±7.31  | 0.97±0.15    | 5.37±0.21   | 0.1±0        |
|                 | B6 10   | 12.08±0.17         | 0.75±0.01          | 10.8±0.16          | 0.17±0.01          | 0.35±0.01          | 0.01±0             | 6.23±0.06   | 89.4±0.1    | 1.37±0.06    | 2.9±0       | 0.1±0        |
|                 | mean±SD | 9.4±1.44           | 0.87±0.35          | 7.7±1.6            | 0.28±0.17          | 0.28±0.15          | 0.008±0.003        | 9.77±4.73   | 83.79±4.37  | 3±1.85       | 2.9±1.21    | 0.09±0.04    |



| ID                  | Name    | RBC count           | HGB value  | HCT value  | MCV value  | MCH value  | MCHC value | RDW value  | PLT count          | MPV value | PCT value | PDW value  |
|---------------------|---------|---------------------|------------|------------|------------|------------|------------|------------|--------------------|-----------|-----------|------------|
|                     |         | 10 <sup>12</sup> /L | g/dL       | %          | fL         | pg         | g/dL       | %          | 10 <sup>9</sup> /L | fL        |           | %          |
| 舊<br>Abbott 3700    | B6 1    | 10.2                | 15.6       | 54.6       | 53.3       | 15.3       | 28.6       | 18.2       | 847                | 5.37      | 0.455     | 17.9       |
|                     | B6 2    | 10.3                | 15.7       | 54.9       | 53.4       | 15.2       | 28.5       | 20.4       | 847                | 4.85      | 0.411     | 19.5       |
|                     | B6 3    | 9.91                | 15.3       | 52.7       | 53.1       | 15.5       | 29.1       | 19.2       | 729                | 5.18      | 0.378     | 19.6       |
|                     | B6 4    | 10.2                | 15.8       | 55         | 53.6       | 15.4       | 28.7       | 22.1       | 782                | 5         | 0.391     | 20.4       |
|                     | B6 5    | 9.93                | 15.5       | 53.2       | 53.5       | 15.6       | 29.2       | 19.3       | 762                | 5.57      | 0.424     | 17         |
|                     | B6 6    | 10.1                | 15.8       | 54.4       | 53.8       | 15.7       | 29.1       | 19         | 758                | 5.04      | 0.382     | 18.3       |
|                     | B6 7    | 9.12                | 14.5       | 50.1       | 54.9       | 15.9       | 29         | 18         | 787                | 5.2       | 0.409     | 17.9       |
|                     | B6 8    | 9.86                | 15.3       | 52.5       | 53.2       | 15.5       | 29.1       | 18.7       | 822                | 4.69      | 0.385     | 19         |
|                     | B6 9    | 9.97                | 15.4       | 53.6       | 53.8       | 15.5       | 28.7       | 17.5       | 818                | 4.88      | 0.399     | 19         |
|                     | B6 10   | 10.2                | 15.9       | 55         | 54         | 15.6       | 28.9       | 18.5       | 846                | 5.3       | 0.449     | 18.7       |
|                     | mean±SD | 9.98±0.34           | 15.48±0.4  | 53.6±1.55  | 53.66±0.52 | 15.52±0.2  | 28.89±0.25 | 19.09±1.33 | 800±42             | 5.11±0.27 | 0.41±0.03 | 18.73±0.99 |
| 新<br>IDEXX ProCytte | B6 1    | 10.4±0.06           | 15.5±0     | 54.4±0.29  | 52.2±0.1   | 14.9±0.1   | 28.5±0.17  | 22.9±0     | 821±20             | 5.9±0     | 0.48±0.02 | 6.93±0.06  |
|                     | B6 2    | 10.6±0.03           | 15.8±0     | 55.7±0.36  | 52.4±0.2   | 14.8±0.06  | 28.3±0.21  | 22.6±0.15  | 764±48             | 5.87±0.06 | 0.45±0.03 | 6.77±0.12  |
|                     | B6 3    | 10.1±0.03           | 15.1±0.06  | 52.0±0.4   | 51.3±0.36  | 14.9±0     | 29.0±0.12  | 23.3±0.06  | 740±22             | 6.03±0.06 | 0.44±0.02 | 7.17±0.06  |
|                     | B6 4    | 10.6±0.08           | 15.9±0     | 55.4±0.26  | 52.2±0.17  | 15±0.1     | 28.7±0.17  | 25.0±0.12  | 832±18             | 6±0       | 0.5±0.01  | 7.2±0.1    |
|                     | B6 5    | 10.3±0.1            | 15.4±0.1   | 53.7±0.45  | 52.2±0.1   | 14.9±0.06  | 28.6±0.06  | 22.8±0.21  | 838±30             | 5.8±0.1   | 0.49±0.03 | 6.8±0.1    |
|                     | B6 6    | 10.5±0.03           | 15.8±0.06  | 55.5±0.21  | 52.8±0.21  | 15.0±0.06  | 28.5±0     | 22.8±0.2   | 752±12             | 5.97±0.12 | 0.45±0    | 7.17±0.21  |
|                     | B6 7    | 9.7±0.42            | 14.7±0.58  | 51.2±1.44  | 52.4±0.82  | 15.1±0.1   | 28.7±0.45  | 21.8±0.64  | 806±67             | 6.03±0.12 | 0.49±0.05 | 7.07±0.29  |
|                     | B6 8    | 10.2±0.05           | 15.3±0.1   | 53.4±1.07  | 51.9±0.85  | 14.8±0.12  | 28.6±0.75  | 22.7±0.26  | 851±29             | 6±0.1     | 0.51±0.02 | 6.87±0.32  |
|                     | B6 9    | 10.3±0.1            | 15.4±0.12  | 54.8±0.62  | 53±0.1     | 14.9±0.1   | 28.1±0.25  | 22.8±0.15  | 760±20             | 5.97±0.12 | 0.45±0.01 | 6.87±0.12  |
|                     | B6 10   | 10.4±0.1            | 15.7±0.06  | 55.7±0.45  | 53.3±0.06  | 15±0.1     | 28.2±0.15  | 23.0±0.15  | 794±65             | 6.03±0.12 | 0.48±0.05 | 7.07±0.06  |
|                     | mean±SD | 10.31±0.27          | 15.46±0.37 | 54.18±1.59 | 52.37±0.57 | 14.93±0.09 | 28.52±0.27 | 22.97±0.81 | 796±40             | 5.96±0.08 | 0.47±0.02 | 6.99±0.16  |

Results are expressed as mean±SD. B6:C57BL/6JNarl; ICR: ICR/Haj; SD: Sprague-Dawley. ▼表示新舊儀器數據差異顯著。

此數據各組別分別採用 5 隻 9~10 週齡大鼠(♂)及 10 隻 9~10 週齡小鼠(♂)進行檢測。小鼠飼養於小鼠診所動物房。大鼠飼養於生醫所動物房。以吸入麻醉藥異氟烷(isoflurane)進行安樂死，隨後立即執行心臟採血。採集的血液裝入 EDTA-K2 抗凝血管(BD Diagnostics, NJ, USA)，混合均勻後進行血液學評估；血液學分別使用 Abbott 3700 與 IDEXX ProCytte Dx® Hematology Analyzer 血液分析儀進行檢測。