

## Thyroid Control – Level 2

Assignment of values ( **REF** CFB0102 **LOT** 26J1001)

| Instrument               | Analyte   | Unit   | Thyroid Control-Level2 |       |               |
|--------------------------|-----------|--------|------------------------|-------|---------------|
|                          |           |        | Target                 | SD    | Range         |
| Auto Lumo A2000Plus      | TgAb      | IU/mL  | 156.80                 | 14.58 | 113.05-200.55 |
|                          | TPOAb     | IU/mL  | 128.49                 | 11.82 | 93.03-163.95  |
|                          | TRAb      | IU/L   | 9.59                   | 0.95  | 6.74-12.44    |
|                          | rT3       | nmol/L | 2.19                   | 0.21  | 1.57-2.81     |
|                          | T3        | ng/mL  | 1.81                   | 0.18  | 1.27-2.35     |
|                          | T4 (IVDD) | µg/dL  | 9.25                   | 0.97  | 6.34-12.16    |
|                          | T4 (IVDR) | µg/dL  | 8.32                   | 0.81  | 5.90-10.74    |
|                          | FT3       | pmol/L | 8.96                   | 0.83  | 6.46-11.46    |
|                          | FT4       | pmol/L | 26.03                  | 2.73  | 17.83-34.23   |
|                          | TSH       | µIU/mL | 6.14                   | 0.63  | 4.26-8.02     |
|                          | PTH       | pg/mL  | 201.61                 | 18.75 | 145.36-257.86 |
| Roche Cobas e 601        | TgAb      | IU/mL  | 276.48                 | 27.37 | 194.37-358.59 |
|                          | TPOAb     | IU/mL  | 101.15                 | 10.12 | 70.81-131.50  |
|                          | TRAb      | IU/L   | 8.47                   | 0.79  | 6.11-10.83    |
|                          | T3        | nmol/L | 3.48                   | 0.33  | 2.50-4.46     |
|                          | T4        | nmol/L | 135.05                 | 13.37 | 94.94-175.16  |
|                          | FT3       | pmol/L | 10.02                  | 0.99  | 7.04-13.00    |
|                          | FT4       | pmol/L | 28.27                  | 3.05  | 19.11-37.43   |
|                          | TSH       | µIU/mL | 5.67                   | 0.59  | 3.90-7.44     |
| Abbott ARCHITECT i2000sr | TgAb      | IU/mL  | 102.86                 | 10.59 | 71.08-134.64  |
|                          | TPOAb     | IU/mL  | 72.83                  | 6.92  | 52.07-93.59   |
|                          | T3        | nmol/L | 2.44                   | 0.24  | 1.71-3.17     |
|                          | T4        | µg/dL  | 8.08                   | 0.79  | 5.70-10.46    |
|                          | FT3       | pg/mL  | 5.71                   | 0.59  | 3.93-7.49     |
|                          | FT4       | ng/dL  | 1.43                   | 0.14  | 1.00-1.86     |
|                          | TSH       | µIU/mL | 4.85                   | 0.49  | 3.38-6.32     |
| iFlash 3000-C            | TgAb      | IU/mL  | 310.90                 | 30.47 | 219.5-402.3   |
|                          | TPOAb     | IU/mL  | 37.44                  | 3.78  | 26.1-48.78    |
|                          | TRAb      | IU/L   | 6.69                   | 0.62  | 4.84-8.54     |
|                          | T3        | ng/mL  | 2.08                   | 0.21  | 1.45-2.71     |
|                          | T4        | ng/mL  | 83.08                  | 8.06  | 58.90-107.26  |
|                          | FT3       | pg/mL  | 4.97                   | 0.50  | 3.46-6.48     |
|                          | FT4       | pg/mL  | 17.02                  | 1.80  | 11.61-22.43   |
|                          | TSH       | µIU/mL | 9.12                   | 0.93  | 6.33-11.91    |

| Instrument                  | Analyte  | Unit   | Thyroid Control-Level2 |        |                |
|-----------------------------|----------|--------|------------------------|--------|----------------|
|                             |          |        | Target                 | SD     | Range          |
| Roche Cobas e601            | FSH      | mIU/mL | 4.78                   | 0.54   | 3.16-6.40      |
|                             | PRL      | μIU/mL | 89.42                  | 8.83   | 62.93-115.91   |
|                             | LH       | mIU/mL | 1.89                   | 0.19   | 1.32-2.46      |
|                             | P        | ng/mL  | 1.59                   | 0.19   | 1.02-2.16      |
|                             | T        | ng/mL  | 1.78                   | 0.19   | 1.21-2.35      |
|                             | E2       | pg/mL  | 155.36                 | 12.97  | 116.45-194.27  |
|                             | C-P      | ng/mL  | 2.58                   | 0.21   | 1.95-3.21      |
|                             | INS      | μU/mL  | 14.74                  | 1.31   | 10.81-18.67    |
|                             | TSH      | μIU/mL | 1.25                   | 0.13   | 0.86-1.64      |
|                             | T3       | nmol/L | 2.10                   | 0.18   | 1.56-2.64      |
|                             | T4       | nmol/L | 81.08                  | 8.59   | 55.31-106.85   |
|                             | FT3      | pmol/L | 6.05                   | 0.56   | 4.37-7.73      |
|                             | FT4      | pmol/L | 17.52                  | 1.71   | 12.39-22.65    |
|                             | Tg       | ng/mL  | 58.28                  | 6.16   | 39.80-76.76    |
|                             | DHEA-S   | μg/dL  | 61.00                  | 5.59   | 44.23-77.77    |
|                             | β-HCG    | mIU/mL | 12.53                  | 1.19   | 8.96-16.10     |
|                             | Cor      | nmol/L | 143.36                 | 11.64  | 108.44-178.28  |
|                             | HGH      | pg/mL  | 1418.00                | 154.87 | 953.39-1882.61 |
|                             | FA       | ng/mL  | 2.38                   | 0.28   | 1.54-3.22      |
|                             | VB12     | pg/mL  | 327.36                 | 27.57  | 244.65-410.07  |
|                             | 25-OH-VD | ng/mL  | 11.08                  | 0.95   | 8.23-13.93     |
| Abbott ARCHITECT<br>i2000SR | FSH      | mIU/mL | 4.74                   | 0.38   | 3.60-5.88      |
|                             | PRL      | ng/mL  | 4.18                   | 0.43   | 2.89-5.47      |
|                             | LH       | mIU/mL | 1.30                   | 0.15   | 0.85-1.75      |
|                             | P        | ng/mL  | 1.90                   | 0.19   | 1.33-2.47      |
|                             | T        | nmol/L | 6.30                   | 0.70   | 4.20-8.40      |
|                             | E2       | pg/mL  | 151.44                 | 14.65  | 107.49-195.39  |
|                             | C-P      | ng/mL  | 2.38                   | 0.20   | 1.78-2.98      |
|                             | INS      | μU/mL  | 13.46                  | 1.31   | 9.53-17.39     |
|                             | TSH      | μIU/mL | 1.08                   | 0.09   | 0.81-1.35      |
|                             | T3       | ng/mL  | 0.94                   | 0.08   | 0.70-1.18      |
|                             | T4       | μg/dL  | 5.23                   | 0.58   | 3.49-6.97      |
|                             | FT3      | pg/mL  | 3.16                   | 0.26   | 2.38-3.94      |
|                             | FT4      | ng/dL  | 1.03                   | 0.09   | 0.76-1.30      |
|                             | β-HCG    | mIU/mL | 17.27                  | 1.71   | 12.14-22.40    |
|                             | FA       | ng/mL  | 2.60                   | 0.27   | 1.79-3.41      |
|                             | VB12     | pg/mL  | 292.50                 | 23.99  | 220.53-364.47  |

| Instrument               | Analyte  | Unit   | Thyroid Control-Level2 |       |               |
|--------------------------|----------|--------|------------------------|-------|---------------|
|                          |          |        | Target                 | SD    | Range         |
| Beckman DXI800           | FSH      | mIU/mL | 5.34                   | 0.63  | 3.45-7.23     |
|                          | PRL      | ng/mL  | 4.27                   | 0.39  | 3.10-5.44     |
|                          | LH       | IU/L   | 2.04                   | 0.21  | 1.41-2.67     |
|                          | P        | nmol/L | 4.10                   | 0.37  | 2.99-5.21     |
|                          | T        | nmol/L | 5.61                   | 0.48  | 4.17-7.05     |
|                          | E2       | pmol/L | 643.00                 | 61.41 | 458.77-827.23 |
|                          | C-P      | ng/mL  | 2.32                   | 0.24  | 1.60-3.04     |
|                          | INS      | mIU/L  | 16.14                  | 1.91  | 10.41-21.87   |
|                          | TSH      | μIU/mL | 0.95                   | 0.10  | 0.65-1.25     |
|                          | T3       | nmol/L | 1.90                   | 0.20  | 1.30-2.50     |
|                          | T4       | nmol/L | 87.63                  | 8.24  | 62.91-112.35  |
|                          | FT3      | pmol/L | 4.13                   | 0.34  | 3.11-5.15     |
|                          | FT4      | pmol/L | 13.27                  | 1.36  | 9.19-17.35    |
|                          | β-HCG    | IU/L   | 12.62                  | 1.09  | 9.35-15.89    |
|                          | FA       | ng/mL  | 2.21                   | 0.25  | 1.46-2.96     |
|                          | VB12     | pg/mL  | 225.80                 | 20.57 | 164.09-287.51 |
| Siemens Advia Centaur XP | FSH      | IU/L   | 4.78                   | 0.48  | 3.34-6.22     |
|                          | PRL      | mIU/L  | 69.85                  | 7.72  | 46.69-93.01   |
|                          | LH       | IU/L   | 1.30                   | 0.13  | 0.91-1.69     |
|                          | P        | nmol/L | 5.91                   | 0.56  | 4.23-7.59     |
|                          | T        | nmol/L | 8.17                   | 0.97  | 5.26-11.08    |
|                          | E2       | pmol/L | 715.27                 | 59.41 | 537.04-893.5  |
|                          | C-P      | nmol/L | 0.77                   | 0.09  | 0.50-1.04     |
|                          | INS      | pmol/L | 106.10                 | 10.39 | 74.93-137.27  |
|                          | TSH      | mIU/L  | 1.27                   | 0.11  | 0.94-1.60     |
|                          | T3       | nmol/L | 1.89                   | 0.22  | 1.23-2.55     |
|                          | T4       | nmol/L | 72.74                  | 6.17  | 54.23-91.25   |
|                          | FT3      | pmol/L | 6.93                   | 0.68  | 4.89-8.97     |
|                          | FT4      | pmol/L | 16.97                  | 1.45  | 12.62-21.32   |
|                          | β-HCG    | IU/L   | 16.04                  | 1.92  | 10.28-21.80   |
|                          | Cor      | nmol/L | 156.54                 | 17.06 | 105.36-207.72 |
|                          | 25-OH-VD | nmol/L | 62.32                  | 5.56  | 45.64-79.00   |
|                          | FA       | nmol/L | 8.94                   | 1.02  | 5.88-12.0     |
|                          | VB12     | pmol/L | 245.17                 | 26.24 | 166.45-323.89 |

Remark: The range printed in the assigned value table should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges.