

## Report MQ 2024/2 Microbiology: Antibody and antigen tests

### Summary

| Sample                            | Results     | Good        | % Good       |
|-----------------------------------|-------------|-------------|--------------|
| B01 Strep A Antigen               | 1226        | 1201        | 97.96        |
| B04 Rubella / Mumps IgG/IgM       | 84          | 84          | 100.00       |
| B05 Toxoplasmosis IgG/IgM         | 49          | 49          | 100.00       |
| B06 Lues / syphilis serology      | 80          | 79          | 98.75        |
| B07 Cytomegalovirus IgG/IgM       | 71          | 70          | 98.59        |
| B08 Varicella / HSV1/2 IgG/IgM    | 90          | 87          | 96.67        |
| B20 Epstein-Barr-Virus IgG/IgM    | 166         | 164         | 98.80        |
| B21 Legionella antigen urine      | 76          | 75          | 98.68        |
| B22 S. pneumoniae antigen urine   | 64          | 62          | 96.88        |
| B24 RSV/Influenza rapid test      | 25          | 22          | 88.00        |
| B27 Helicobacter Pylori Antigen   | 65          | 62          | 95.38        |
| B30 Rota-/Adeno-/Norovirus Ag     | 68          | 67          | 98.53        |
| B32 SARS-CoV-2 IgG/IgM            | 19          | 19          | 100.00       |
| B34 FSME IgG/IgM                  | 8           | 8           | 100.00       |
| B35 Masern/Parvovirus IgG/IgM     | 40          | 40          | 100.00       |
| B37 C. Diff Ag (GDH, Toxin A/B)   | 55          | 54          | 98.18        |
| B38 H. pylori Urease-Test         | 4           | 4           | 100.00       |
| B39 Mycobacteria, microscopy      | 52          | 51          | 98.08        |
| B42 HIV, Hepatitis B/C, Serologie | 417         | 417         | 100.00       |
| B43 Hepatitis A IgG / IgM         | 67          | 67          | 100.00       |
| B44 Hepatitis E IgG / IgM         | 20          | 20          | 100.00       |
| H11 Malaria rapid test / NAT      | 92          | 91          | 98.91        |
| V01 HIV Schnelltest               | 23          | 21          | 91.30        |
| <b>Total</b>                      | <b>2861</b> | <b>2814</b> | <b>98.36</b> |

**B01 Strep A Antigen**

| Strep A    | Target Value | negative | border | positive | % Conform |
|------------|--------------|----------|--------|----------|-----------|
| Rapid Test | positive     | 22       | 2      | 1201     | 97.96     |

**Commentary B01**

The simulated liquid sample contained *Streptococcus pyogenes* . The correct result was "Strep-A positive".

**B04 Rubella / Mumps IgG/IgM**

| <b>Rubella IgG</b> | Target Value | negative | positive | % Conform |
|--------------------|--------------|----------|----------|-----------|
| all Participants   | negative     | 38       | 0        | 100.00    |

| <b>Rubella IgM</b> | Target Value | negative | positive | % Conform |
|--------------------|--------------|----------|----------|-----------|
| all Participants   | negative     | 33       | 0        | 100.00    |

| <b>Mumps IgG</b> | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | negative     | 8        | 0        | 100.00    |

| <b>Mumps IgM</b> | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | negative     | 5        | 0        | 100.00    |

**B05 Toxoplasmosis IgG/IgM**

| <b>Toxoplasma IgG</b> | Target Value   | negative | border   | positive  | % Conform     |
|-----------------------|----------------|----------|----------|-----------|---------------|
| Abbott                | Borderline/neg | 0        | 7        | 0         | 100.00        |
| Roche, Cobas          | positive       | 0        | 0        | 10        | 100.00        |
| Other methods         | negative       | 8        | 0        | 0         | 100.00        |
| <b>Total</b>          |                | <b>8</b> | <b>7</b> | <b>10</b> | <b>100.00</b> |

| <b>Toxoplasma IgM</b> | Target Value | negative  | border   | positive | % Conform     |
|-----------------------|--------------|-----------|----------|----------|---------------|
| Abbott                | negative     | 7         | 0        | 0        | 100.00        |
| Roche, Cobas          | negative     | 10        | 0        | 0        | 100.00        |
| Other methods         | negative     | 7         | 0        | 0        | 100.00        |
| <b>Total</b>          |              | <b>24</b> | <b>0</b> | <b>0</b> | <b>100.00</b> |

**Commentary B05**

*The concentration of IgG antibodies was close to the cut-off, so the target value varies depending on the method.*

**B06 Lues / syphilis serology**

| <b>Syphilis TPPA</b> | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| all Participants     | positive     | 0        | 17       | 100.00    |

| <b>Treponema IgG</b> | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| EIA                  | positive     | 0        | 9        | 100.00    |

| <b>Treponema IgM</b> | Target Value | negative | positive | % Conform    |
|----------------------|--------------|----------|----------|--------------|
| Immunoblot           | negative     | 1        | 0        | 100.00       |
| EIA                  | negative     | 6        | 1        | 85.71        |
| <b>Total</b>         |              | <b>7</b> | <b>1</b> | <b>87.50</b> |

| <b>RPR/VDRL</b>  | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | negative     | 21       | 0        | 100.00    |

| <b>Treponema Screening (Ig total)</b> | Target Value | negative | positive | % Conform |
|---------------------------------------|--------------|----------|----------|-----------|
| all Participants                      | positive     | 0        | 16       | 100.00    |

| <b>Treponema TPHA</b> | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants      | positive     | 0        | 9        | 100.00    |

**Commentary B06**

*The following serological results, IgG pos, IgM neg, TPPA/TPHA pos, RPR/VDRL neg, reflect a former syphilis.*

**B07 Cytomegalovirus IgG/IgM**

| <b>Cytomegalovirus IgG</b> | Target Value | negative | positive  | % Conform     |
|----------------------------|--------------|----------|-----------|---------------|
| Abbott                     | positive     | 0        | 12        | 100.00        |
| Roche, Cobas               | positive     | 0        | 15        | 100.00        |
| Other methods              | positive     | 0        | 10        | 100.00        |
| <b>Total</b>               |              | <b>0</b> | <b>37</b> | <b>100.00</b> |

| <b>Cytomegalovirus IgM</b> | Target Value | negative  | positive  | % Conform    |
|----------------------------|--------------|-----------|-----------|--------------|
| Abbott                     | positive     | 0         | 11        | 100.00       |
| Roche, Cobas               | negative     | 13        | 0         | 100.00       |
| Other methods              | positive     | 1         | 9         | 90.00        |
| <b>Total</b>               |              | <b>14</b> | <b>20</b> | <b>97.06</b> |

**Commentary B07**

*The concentration of IgM antibodies was close to the cut-off, so the target value varies depending on the method.*

**B08 Varicella / HSV1/2 IgG/IgM**

| <b>Varicellen IgG</b> | Target Value | negative | border | positive | % Conform |
|-----------------------|--------------|----------|--------|----------|-----------|
| all Participants      | positive     | 0        | 3      | 32       | 91.43     |

| <b>Varicellen IgM</b> | Target Value | negative | border | positive | % Conform |
|-----------------------|--------------|----------|--------|----------|-----------|
| all Participants      | negative     | 23       | 0      | 0        | 100.00    |

| <b>HSV 1/2 IgG</b> | Target Value | negative | border | positive | % Conform |
|--------------------|--------------|----------|--------|----------|-----------|
| all Participants   | positive     | 0        | 0      | 3        | 100.00    |

| <b>HSV1 IgG</b>  | Target Value | negative | border | positive | % Conform |
|------------------|--------------|----------|--------|----------|-----------|
| all Participants | negative     | 9        | 0      | 0        | 100.00    |

| <b>HSV2 IgG</b>  | Target Value   | negative | border | positive | % Conform |
|------------------|----------------|----------|--------|----------|-----------|
| all Participants | Borderline/pos | 0        | 2      | 7        | 100.00    |

| <b>HSV1/2 IgM</b> | Target Value | negative | border | positive | % Conform |
|-------------------|--------------|----------|--------|----------|-----------|
| all Participants  | negative     | 11       | 0      | 0        | 100.00    |

**B20 Epstein-Barr-Virus IgG/IgM**

| <b>EBV heterophilic antibodies</b> | Target Value | negative | positive | % Conform |
|------------------------------------|--------------|----------|----------|-----------|
| Rapid Test                         | negative     | 62       | 2        | 96.88     |

| <b>EBV EBNA-1 IgG</b> | Target Value | negative | positive  | % Conform     |
|-----------------------|--------------|----------|-----------|---------------|
| Abbott                | positive     | 0        | 7         | 100.00        |
| Liaison               | positive     | 0        | 7         | 100.00        |
| VIDAS                 | positive     | 0        | 8         | 100.00        |
| Other methods         | positive     | 0        | 11        | 100.00        |
| <b>Total</b>          |              | <b>0</b> | <b>33</b> | <b>100.00</b> |

| <b>EBV VCA-IgG</b> | Target Value | negative | positive  | % Conform     |
|--------------------|--------------|----------|-----------|---------------|
| Abbott             | positive     | 0        | 8         | 100.00        |
| Liaison            | positive     | 0        | 7         | 100.00        |
| VIDAS              | positive     | 0        | 8         | 100.00        |
| Other methods      | positive     | 0        | 11        | 100.00        |
| <b>Total</b>       |              | <b>0</b> | <b>34</b> | <b>100.00</b> |

| <b>EBV VCA-IgM</b> | Target Value | negative  | positive | % Conform     |
|--------------------|--------------|-----------|----------|---------------|
| Abbott             | negative     | 7         | 0        | 100.00        |
| Liaison            | negative     | 7         | 0        | 100.00        |
| VIDAS              | negative     | 8         | 0        | 100.00        |
| Other methods      | negative     | 13        | 0        | 100.00        |
| <b>Total</b>       |              | <b>35</b> | <b>0</b> | <b>100.00</b> |

**B21 Legionella antigen urine**

| Legionella antigen urine | Target Value | negative  | positive | % Conform    |
|--------------------------|--------------|-----------|----------|--------------|
| Quidel Sofia             | negative     | 18        | 0        | 100.00       |
| BinaxNOW                 | negative     | 33        | 1        | 97.06        |
| Other methods            | negative     | 24        | 0        | 100.00       |
| <b>Total</b>             |              | <b>75</b> | <b>1</b> | <b>98.68</b> |

**B22 S. pneumoniae antigen urine**

| <b>S. pneumoniae antigen urine</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|------------------------------------|---------------------|-----------------|-----------------|------------------|
| Quidel Sofia                       | positive            | 0               | 17              | 100.00           |
| BinaxNOW                           | positive            | 1               | 26              | 96.30            |
| Other methods                      | positive            | 1               | 19              | 95.00            |
| <b>Total</b>                       |                     | <b>2</b>        | <b>62</b>       | <b>96.88</b>     |

**B24 RSV/Influenza rapid test**

| <b>RSV Antigen</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|--------------------|---------------------|-----------------|-----------------|------------------|
| Quidel Sofia       | positive            | 0               | 1               | 100.00           |
| BinaxNOW           | positive            | 0               | 4               | 100.00           |
| Other methods      | positive            | 2               | 10              | 83.33            |
| <b>Total</b>       |                     | <b>2</b>        | <b>15</b>       | <b>88.24</b>     |

| <b>Influenza Ag</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|---------------------|---------------------|-----------------|-----------------|------------------|
| Other methods       | negative            | 7               | 1               | 87.50            |

**B27 Helicobacter Pylori Antigen**

| <b>Helicobacter pylori antigen</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|------------------------------------|---------------------|-----------------|-----------------|------------------|
| Rapid Test                         | positive            | 1               | 32              | 96.97            |
| Meridian STAT! HpSA                | positive            | 1               | 5               | 83.33            |
| Liaison                            | positive            | 0               | 12              | 100.00           |
| CerTest Biotec                     | positive            | 0               | 9               | 100.00           |
| Oxoid RAPID Hp StAR                | positive            | 1               | 4               | 80.00            |
| <b>Total</b>                       |                     | <b>3</b>        | <b>62</b>       | <b>95.38</b>     |

**B30 Rota-/Adeno-/Norovirus Ag**

| <b>Rotavirus Ag</b> | Target Value | negative  | positive | % Conform     |
|---------------------|--------------|-----------|----------|---------------|
| SD-Biosensor        | negative     | 5         | 0        | 100.00        |
| CerTest Biotec      | negative     | 4         | 0        | 100.00        |
| r-biopharm          | negative     | 5         | 0        | 100.00        |
| Other methods       | negative     | 16        | 0        | 100.00        |
| <b>Total</b>        |              | <b>30</b> | <b>0</b> | <b>100.00</b> |

| <b>Adenovirus Ag</b> | Target Value | negative  | positive | % Conform     |
|----------------------|--------------|-----------|----------|---------------|
| SD-Biosensor         | negative     | 5         | 0        | 100.00        |
| CerTest Biotec       | negative     | 4         | 0        | 100.00        |
| r-biopharm           | negative     | 5         | 0        | 100.00        |
| Other methods        | negative     | 16        | 0        | 100.00        |
| <b>Total</b>         |              | <b>30</b> | <b>0</b> | <b>100.00</b> |

| <b>Norovirus Ag</b> | Target Value | negative | positive | % Conform |
|---------------------|--------------|----------|----------|-----------|
| all Participants    | positive     | 1        | 7        | 87.50     |

**B32 SARS-CoV-2 IgG/IgM**

| <b>SARS-CoV-2 IgG/A/M</b> | Target Value | negative | positive | % Conform     |
|---------------------------|--------------|----------|----------|---------------|
| all Participants          | negative     | 1        | 0        | 100.00        |
| Roche, Cobas              | negative     | 2        | 0        | 100.00        |
| <b>Total</b>              |              | <b>3</b> | <b>0</b> | <b>100.00</b> |

| <b>SARS-CoV-2 IgG</b> | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants      | positive     | 0        | 5        | 100.00    |

| <b>SARS-CoV-2 IgM</b> | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants      | negative     | 1        | 0        | 100.00    |

| <b>SARS-CoV-2 IgG Spike 1</b> | Target Value | negative | positive | % Conform |
|-------------------------------|--------------|----------|----------|-----------|
| all Participants              | positive     | 0        | 6        | 100.00    |

| <b>SARS-CoV-2 IgG NCP</b> | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|-----------|
| all Participants          | negative     | 2        | 0        | 100.00    |

| <b>SARS-CoV-2 IgG Spike 2 Ak</b> | Target Value | negative | positive | % Conform |
|----------------------------------|--------------|----------|----------|-----------|
| all Participants                 | positive     | 0        | 2        | 100.00    |

**B34 FSME IgG/IgM**

| <b>FSME IgG</b>  | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | negative     | 4        | 0        | 100.00    |

| <b>FSME IgM</b>  | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | negative     | 4        | 0        | 100.00    |

**B35 Masern/Parvovirus IgG/IgM**

| <b>Masern IgG</b> | Target Value | negative | positive | % Conform |
|-------------------|--------------|----------|----------|-----------|
| all Participants  | positive     | 0        | 12       | 100.00    |

| <b>Masern IgM</b> | Target Value | negative | positive | % Conform |
|-------------------|--------------|----------|----------|-----------|
| all Participants  | negative     | 8        | 0        | 100.00    |

| <b>Parvovirus B19 IgG</b> | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|-----------|
| all Participants          | positive     | 0        | 10       | 100.00    |

| <b>Parvovirus B19 IgM</b> | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|-----------|
| all Participants          | negative     | 10       | 0        | 100.00    |

**B37 C. Diff Ag (GDH, Toxin A/B)**

| <b>C. Diff GDH</b>        | Target Value | negative  | positive | % Conform    |
|---------------------------|--------------|-----------|----------|--------------|
| all Participants          | negative     | 14        | 1        | 93.33        |
| Techlab C.Diff Quick Chek | negative     | 9         | 0        | 100.00       |
| <b>Total</b>              |              | <b>23</b> | <b>1</b> | <b>95.83</b> |

| <b>C. Diff Toxin A</b> | Target Value | negative | positive | % Conform |
|------------------------|--------------|----------|----------|-----------|
| all Participants       | negative     | 4        | 0        | 100.00    |

| <b>C. Diff Toxin B</b> | Target Value | negative | positive | % Conform |
|------------------------|--------------|----------|----------|-----------|
| all Participants       | negative     | 4        | 0        | 100.00    |

| <b>C. Diff Tox A/B</b>    | Target Value | negative  | positive | % Conform     |
|---------------------------|--------------|-----------|----------|---------------|
| Other methods             | negative     | 10        | 0        | 100.00        |
| Techlab C.Diff Quick Chek | negative     | 13        | 0        | 100.00        |
| <b>Total</b>              |              | <b>23</b> | <b>0</b> | <b>100.00</b> |

**B38 H. pylori Urease-Test**

| H. pylori Urease-Test | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| Rapid Test            | positive     | 0        | 4        | 100.00    |

**B39 Mycobacteria, microscopy**

| <b>Acid-fast bacilli A</b> | Target Value | negative | positive  | % Conform     |
|----------------------------|--------------|----------|-----------|---------------|
| Ziehl-Neelsen              | positive     | 0        | 22        | 100.00        |
| Auramin-Rhodamin           | positive     | 0        | 4         | 100.00        |
| <b>Total</b>               |              | <b>0</b> | <b>26</b> | <b>100.00</b> |

| <b>Acid-fast bacilli B</b> | Target Value | negative | positive  | % Conform    |
|----------------------------|--------------|----------|-----------|--------------|
| Ziehl-Neelsen              | positive     | 1        | 21        | 95.45        |
| Auramin-Rhodamin           | positive     | 0        | 4         | 100.00       |
| <b>Total</b>               |              | <b>1</b> | <b>25</b> | <b>96.15</b> |

**B42 HIV, Hepatitis B/C, Serologie**

| <b>HIV 1/2 Combo sample A</b> | Target Value | negative | positive  | % Conform     |
|-------------------------------|--------------|----------|-----------|---------------|
| Abbott                        | positive     | 0        | 13        | 100.00        |
| Roche, Cobas                  | positive     | 0        | 15        | 100.00        |
| Other methods                 | positive     | 0        | 7         | 100.00        |
| <b>Total</b>                  |              | <b>0</b> | <b>35</b> | <b>100.00</b> |

| <b>HIV 1/2 ig sample A</b> | Target Value | negative | positive | % Conform     |
|----------------------------|--------------|----------|----------|---------------|
| Abbott                     | positive     | 0        | 2        | 100.00        |
| Roche, Cobas               | positive     | 0        | 1        | 100.00        |
| <b>Total</b>               |              | <b>0</b> | <b>3</b> | <b>100.00</b> |

| <b>HIV 1/2 p24 sample A</b> | Target Value | negative | positive | % Conform |
|-----------------------------|--------------|----------|----------|-----------|
| Abbott                      | positive     | 0        | 1        | 100.00    |

| <b>HBs Ig sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 11        | 0        | 100.00        |
| Other methods          | negative     | 4         | 0        | 100.00        |
| <b>Total</b>           |              | <b>28</b> | <b>0</b> | <b>100.00</b> |

| <b>HBs Ag sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 12        | 0        | 100.00        |
| Other methods          | negative     | 5         | 0        | 100.00        |
| <b>Total</b>           |              | <b>30</b> | <b>0</b> | <b>100.00</b> |

| <b>HBc Ig sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 12        | 0        | 100.00        |
| Other methods          | negative     | 4         | 0        | 100.00        |
| <b>Total</b>           |              | <b>29</b> | <b>0</b> | <b>100.00</b> |

| <b>HBc IgM sample A</b> | Target Value | negative  | positive | % Conform     |
|-------------------------|--------------|-----------|----------|---------------|
| Abbott                  | negative     | 9         | 0        | 100.00        |
| Roche, Cobas            | negative     | 3         | 0        | 100.00        |
| Other methods           | negative     | 3         | 0        | 100.00        |
| <b>Total</b>            |              | <b>15</b> | <b>0</b> | <b>100.00</b> |

| <b>HBe Ig sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 9         | 0        | 100.00        |
| Roche, Cobas           | negative     | 5         | 0        | 100.00        |
| Other methods          | negative     | 2         | 0        | 100.00        |
| <b>Total</b>           |              | <b>16</b> | <b>0</b> | <b>100.00</b> |

| <b>HBe Ag sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 10        | 0        | 100.00        |
| Roche, Cobas           | negative     | 5         | 0        | 100.00        |
| Other methods          | negative     | 2         | 0        | 100.00        |
| <b>Total</b>           |              | <b>17</b> | <b>0</b> | <b>100.00</b> |

| <b>HCV Ig sample A</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 12        | 0        | 100.00        |
| Other methods          | negative     | 8         | 0        | 100.00        |
| <b>Total</b>           |              | <b>33</b> | <b>0</b> | <b>100.00</b> |

| <b>HIV 1/2 Combo sample B</b> | Target Value | negative  | positive | % Conform     |
|-------------------------------|--------------|-----------|----------|---------------|
| Abbott                        | negative     | 13        | 0        | 100.00        |
| Roche, Cobas                  | negative     | 15        | 0        | 100.00        |
| Other methods                 | negative     | 7         | 0        | 100.00        |
| <b>Total</b>                  |              | <b>35</b> | <b>0</b> | <b>100.00</b> |

| <b>HIV 1/2 ig sample B</b> | Target Value | negative | positive | % Conform     |
|----------------------------|--------------|----------|----------|---------------|
| Abbott                     | negative     | 2        | 0        | 100.00        |
| Roche, Cobas               | negative     | 1        | 0        | 100.00        |
| <b>Total</b>               |              | <b>3</b> | <b>0</b> | <b>100.00</b> |

| <b>HIV 1/2 p24 sample B</b> | Target Value | negative | positive | % Conform |
|-----------------------------|--------------|----------|----------|-----------|
| Abbott                      | negative     | 1        | 0        | 100.00    |

| <b>HBs Ig sample B</b> | Target Value | negative | positive  | % Conform     |
|------------------------|--------------|----------|-----------|---------------|
| Abbott                 | positive     | 0        | 13        | 100.00        |
| Roche, Cobas           | positive     | 0        | 12        | 100.00        |
| Other methods          | positive     | 0        | 4         | 100.00        |
| <b>Total</b>           |              | <b>0</b> | <b>29</b> | <b>100.00</b> |

| <b>HBs Ag sample B</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 12        | 0        | 100.00        |
| Other methods          | negative     | 5         | 0        | 100.00        |
| <b>Total</b>           |              | <b>30</b> | <b>0</b> | <b>100.00</b> |

| <b>HBc Ig sample B</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 12        | 0        | 100.00        |
| Other methods          | negative     | 4         | 0        | 100.00        |
| <b>Total</b>           |              | <b>29</b> | <b>0</b> | <b>100.00</b> |

| <b>HBc IgM sample B</b> | Target Value | negative  | positive | % Conform     |
|-------------------------|--------------|-----------|----------|---------------|
| Abbott                  | negative     | 9         | 0        | 100.00        |
| Roche, Cobas            | negative     | 5         | 0        | 100.00        |
| Other methods           | negative     | 3         | 0        | 100.00        |
| <b>Total</b>            |              | <b>17</b> | <b>0</b> | <b>100.00</b> |

| <b>HBe Ig sample B</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 9         | 0        | 100.00        |
| Roche, Cobas           | negative     | 5         | 0        | 100.00        |
| Other methods          | negative     | 2         | 0        | 100.00        |
| <b>Total</b>           |              | <b>16</b> | <b>0</b> | <b>100.00</b> |

| <b>HBe Ag sample B</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 10        | 0        | 100.00        |
| Roche, Cobas           | negative     | 5         | 0        | 100.00        |
| Other methods          | negative     | 2         | 0        | 100.00        |
| <b>Total</b>           |              | <b>17</b> | <b>0</b> | <b>100.00</b> |

| <b>HCV Ig sample B</b> | Target Value | negative  | positive | % Conform     |
|------------------------|--------------|-----------|----------|---------------|
| Abbott                 | negative     | 13        | 0        | 100.00        |
| Roche, Cobas           | negative     | 13        | 0        | 100.00        |
| Other methods          | negative     | 7         | 0        | 100.00        |
| <b>Total</b>           |              | <b>33</b> | <b>0</b> | <b>100.00</b> |

**B43 Hepatitis A IgG / IgM**

| <b>HAV Ig</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|---------------|---------------------|-----------------|-----------------|------------------|
| Roche, Cobas  | positive            | 0               | 16              | 100.00           |
| Other methods | negative            | 5               | 0               | 100.00           |
| <b>Total</b>  |                     | <b>5</b>        | <b>16</b>       | <b>100.00</b>    |

| <b>HAV IgG</b>   | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|------------------|---------------------|-----------------|-----------------|------------------|
| all Participants | negative            | 3               | 0               | 100.00           |
| Abbott           | negative            | 11              | 0               | 100.00           |
| <b>Total</b>     |                     | <b>14</b>       | <b>0</b>        | <b>100.00</b>    |

| <b>HAV IgM</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|----------------|---------------------|-----------------|-----------------|------------------|
| Abbott         | negative            | 11              | 0               | 100.00           |
| Roche, Cobas   | negative            | 13              | 0               | 100.00           |
| Other methods  | negative            | 8               | 0               | 100.00           |
| <b>Total</b>   |                     | <b>32</b>       | <b>0</b>        | <b>100.00</b>    |

**Commentary B43**

*The sample probably contained IgA against the hepatitis A antigen. IgD and IgE-AK are also conceivable. The systems that do not specifically indicate the immunoglobulins therefore have a positive target value. IgG and IgM antibodies are negative in all systems.*

**B44 Hepatitis E IgG / IgM**

| HEV IgG          | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | positive     | 0        | 10       | 100.00    |

| HEV IgM          | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | positive     | 0        | 10       | 100.00    |

**H11 Malaria rapid test / NAT**

| <b>Malaria</b> | <b>Target Value</b> | <b>negative</b> | <b>positive</b> | <b>% Conform</b> |
|----------------|---------------------|-----------------|-----------------|------------------|
| Paramax        | negative            | 13              | 0               | 100.00           |
| BinaxNOW       | negative            | 35              | 0               | 100.00           |
| SD-Biosensor   | negative            | 31              | 1               | 96.88            |
| Illumipro-10   | negative            | 3               | 0               | 100.00           |
| Other methods  | negative            | 9               | 0               | 100.00           |
| <b>Total</b>   |                     | <b>91</b>       | <b>1</b>        | <b>98.91</b>     |

V01 HIV Schnelltest

| HIV Rapid Test    | Target Value | negative | positive | % Conform |
|-------------------|--------------|----------|----------|-----------|
| Determine HIV 1/2 | positive     | 1        | 16       | 94.12     |
| Other methods     | positive     | 1        | 5        | 83.33     |
| Total             |              | 2        | 21       | 91.30     |