

Report MQ 2022/3 Microbiology: Antibody and antigen tests

Summary

| Sample | Results | Good | % Good |
|---------------------------------|----------------|-------------|---------------|
| B01 Strep A | 1183 | 1175 | 99.32 |
| B04 Rubella | 34 | 34 | 100.00 |
| B05 Toxoplasmosis | 18 | 18 | 100.00 |
| B06 Syphilis | 47 | 46 | 97.87 |
| B07 Cytomegalie | 23 | 23 | 100.00 |
| B08 Varicella | 45 | 45 | 100.00 |
| H11 Malaria rapid test | 154 | 151 | 98.05 |
| B20 Epstein-Bar-Virus | 127 | 122 | 96.06 |
| B21 Legionella urine | 72 | 72 | 100.00 |
| B22 S. pneumoniae urine | 57 | 57 | 100.00 |
| B24 RSV/Influenza rapid test | 17 | 17 | 100.00 |
| B27 Helicobacter Pylori Antigen | 49 | 48 | 97.96 |
| B30 Rota-/Adeno-/Norovirus Ag | 37 | 36 | 97.30 |
| B32 SARS-CoV-2 Antibody | 46 | 43 | 93.48 |
| B33 SARS-CoV-2 Ag | 151 | 150 | 99.34 |
| V01 HIV Schnelltest | 30 | 25 | 83.33 |
| Total | 2090 | 2062 | 98.66 |

B01 Strep A

| | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|-------------|--------------|
| Rapid Test | positive | 8 | 1165 | 99.32 |
| Abbott | positive | 0 | 2 | 100.00 |
| NeoStrepA, Intex | positive | 0 | 2 | 100.00 |
| Other methods | positive | 0 | 6 | 100.00 |
| Total | | 8 | 1175 | 99.32 |

Commentary B01

Il tampone faringeo simulato conteneva Streptococcus pyogenes. Il risultato corretto era "Strep A positivo".

B04 Rubella

| Rubella IgG | Target Value | negative | positive | % Conform |
|--------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 17 | 100.00 |

| Rubella IgM | Target Value | negative | positive | % Conform |
|--------------------|--------------|----------|----------|-----------|
| all Participants | negative | 17 | 0 | 100.00 |

B05 Toxoplasmosis

| Toxoplasma IgG | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | negative | 9 | 0 | 100.00 |

| Toxoplasma IgM | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | negative | 9 | 0 | 100.00 |

B06 Syphilis

| Syphilis TPPA | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| all Participants | positive | 1 | 16 | 94.12 |

| Treponema IgG | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 6 | 100.00 |

| Treponema IgM | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 3 | 100.00 |

| Treponema RPR/VDRL | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 14 | 100.00 |

| Treponema IgG/IgM | Target Value | negative | positive | % Conform |
|--------------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 5 | 100.00 |

| Lues TPHA | Target Value | negative | positive | % Conform |
|------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 2 | 100.00 |

B07 Cytomegalie

| Cytomegalovirus IgG | Target Value | negative | positive | % Conform |
|----------------------------|--------------|----------|----------|-----------|
| all Participants | negative | 12 | 0 | 100.00 |

| Cytomegalovirus IgM | Target Value | negative | positive | % Conform |
|----------------------------|--------------|----------|----------|-----------|
| all Participants | negative | 11 | 0 | 100.00 |

B08 Varicella

| Varicellen IgG | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 22 | 100.00 |

| Varicellen IgM | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | negative | 15 | 0 | 100.00 |

| HSV1 IgG | Target Value | negative | positive | % Conform |
|-----------------|--------------|----------|----------|-----------|
| Other methods | positive | 0 | 3 | 100.00 |

| HSV2 IgG | Target Value | negative | positive | % Conform |
|-----------------|--------------|----------|----------|-----------|
| Other methods | negative | 3 | 0 | 100.00 |

| HSV1/2 IgM | Target Value | negative | positive | % Conform |
|-------------------|--------------|----------|----------|-----------|
| Other methods | negative | 2 | 0 | 100.00 |

H11 Malaria rapid test

| Plasmodium sp (Pan) | Target Value | negative | positive | % Conform |
|----------------------------|--------------|-----------|-----------|---------------|
| Paramax | not rateable | 23 | 4 | 100.00 |
| BinaxNOW | not rateable | 9 | 5 | 100.00 |
| Illumipro-10 | not rateable | 0 | 1 | 100.00 |
| Total | | 32 | 10 | 100.00 |

| Plasmodium falciparum (Pf/T1) | Target Value | negative | positive | % Conform |
|--------------------------------------|--------------|----------|-----------|--------------|
| Paramax | positive | 1 | 30 | 96.77 |
| BinaxNOW | positive | 1 | 29 | 96.67 |
| Total | | 2 | 59 | 96.72 |

| Plasmodium Pv/Po/Pm | Target Value | negative | positive | % Conform |
|----------------------------|--------------|-----------|----------|--------------|
| Paramax | negative | 25 | 0 | 100.00 |
| BinaxNOW | negative | 25 | 1 | 96.15 |
| Total | | 50 | 1 | 98.04 |

B20 Epstein-Bar-Virus

| EBV heterophilic antibodies | Target Value | negative | positive | % Conform |
|------------------------------------|--------------|----------|----------|-----------|
| Rapid Test | negative | 43 | 0 | 100.00 |

| EBV EBNA-1 IgG | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|-----------|--------------|
| Architect | positive | 0 | 6 | 100.00 |
| Other methods | positive | 2 | 19 | 90.48 |
| Total | | 2 | 25 | 92.59 |

| EBV VCA-IgG | Target Value | negative | positive | % Conform |
|--------------------|--------------|----------|-----------|--------------|
| Architect | positive | 0 | 7 | 100.00 |
| Other methods | positive | 3 | 19 | 86.36 |
| Total | | 3 | 26 | 89.66 |

| EBV VCA-IgM | Target Value | negative | positive | % Conform |
|--------------------|--------------|-----------|----------|---------------|
| Architect | negative | 7 | 0 | 100.00 |
| Other methods | negative | 21 | 0 | 100.00 |
| Total | | 28 | 0 | 100.00 |

B21 Legionella urine

| | Target Value | negative | positive | % Conform |
|---------------|--------------|----------|-----------|---------------|
| Quidel Sofia | positive | 0 | 20 | 100.00 |
| BinaxNOW | positive | 0 | 36 | 100.00 |
| Other methods | positive | 0 | 16 | 100.00 |
| Total | | 0 | 72 | 100.00 |

B22 S. pneumoniae urine

| | Target Value | negative | positive | % Conform |
|---------------|--------------|-----------|----------|---------------|
| Quidel Sofia | negative | 19 | 0 | 100.00 |
| BinaxNOW | negative | 28 | 0 | 100.00 |
| Other methods | negative | 10 | 0 | 100.00 |
| Total | | 57 | 0 | 100.00 |

B24 RSV/Influenza rapid test

| RSV Antigen | Target Value | negative | positive | % Conform |
|--------------------|--------------|-----------|----------|---------------|
| Quidel Sofia | negative | 1 | 0 | 100.00 |
| BinaxNOW | negative | 3 | 0 | 100.00 |
| Other methods | negative | 9 | 0 | 100.00 |
| Total | | 13 | 0 | 100.00 |

| Influenza Ag | Target Value | negative | positive | % Conform |
|---------------------|--------------|----------|----------|-----------|
| Other methods | negative | 4 | 0 | 100.00 |

B27 Helicobacter Pylori Antigen

| | Target Value | negative | positive | % Conform |
|---------------------|--------------|----------|-----------|--------------|
| Rapid Test | positive | 1 | 19 | 95.00 |
| Meridian STAT! HpSA | positive | 0 | 8 | 100.00 |
| Liaison | positive | 0 | 10 | 100.00 |
| CerTest Biotec | positive | 0 | 7 | 100.00 |
| Oxoid RAPID Hp StAR | positive | 0 | 4 | 100.00 |
| Total | | 1 | 48 | 97.96 |

B30 Rota-/Adeno-/Norovirus Ag

| Rotavirus Ag | Target Value | negative | positive | % Conform |
|---------------------|--------------|----------|----------|-----------|
| all Participants | negative | 16 | 0 | 100.00 |

| Adenovirus Ag | Target Value | negative | positive | % Conform |
|----------------------|--------------|----------|----------|-----------|
| all Participants | negative | 15 | 1 | 93.75 |

| Norovirus Ag | Target Value | negative | positive | % Conform |
|---------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 5 | 100.00 |

B32 SARS-CoV-2 Antibody

| SARS-CoV-2 IgG/A/M | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|--------------|
| all Participants | positive | 1 | 1 | 50.00 |
| Cobas | positive | 0 | 3 | 100.00 |
| Total | | 1 | 4 | 80.00 |

| SARS-CoV-2 IgG | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 10 | 100.00 |

| SARS-CoV-2 IgM | Target Value | negative | positive | % Conform |
|-----------------------|--------------|----------|----------|-----------|
| all Participants | negative | 3 | 1 | 75.00 |

| SARS-CoV-2 IgG Spike 1 | Target Value | negative | positive | % Conform |
|-------------------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 20 | 100.00 |

| SARS-CoV-2 IgG NCP | Target Value | negative | positive | % Conform |
|---------------------------|--------------|----------|----------|-----------|
| all Participants | positive | 0 | 3 | 100.00 |

| SARS-CoV-2 IgG Spike 2 Ak | Target Value | negative | positive | % Conform |
|----------------------------------|--------------|----------|----------|-----------|
| all Participants | positive | 1 | 3 | 75.00 |

B33 SARS-CoV-2 Ag

| | Target Value | negative | positive | % Conform |
|---------------|--------------|------------|----------|--------------|
| Roche | negative | 84 | 0 | 100.00 |
| Abbott Panbio | negative | 20 | 1 | 95.24 |
| Other methods | negative | 46 | 0 | 100.00 |
| Total | | 150 | 1 | 99.34 |

V01 HIV Schnelltest

| | Target Value | negative | positive | % Conform |
|-------------------|--------------|----------|-----------|--------------|
| Determine HIV 1/2 | positive | 3 | 15 | 83.33 |
| Other methods | positive | 2 | 10 | 83.33 |
| Total | | 5 | 25 | 83.33 |
