

**Report MQ 2023/2 Microbiology: Molecular diagnostics****Summary**

<b>Sample</b>	<b>Results</b>	<b>Good</b>	<b>% Good</b>
B11 Chlamydia trachomatis/Neisseria gonorrhoe	91	88	96.70
B12 Staphylococcus aureus, MRSA	34	34	100.00
B13 Clostridium difficile	32	31	96.88
B14 Streptococcus Gruppe B	38	38	100.00
B15 Norovirus	67	66	98.51
B16 Influenzavirus/RSV	204	203	99.51
B17 Mycobacterium tuberculosis	18	18	100.00
B25 Carba-R	41	41	100.00
B26 Enterovirus	5	5	100.00
B29 VanA/VanB	12	12	100.00
B31 SARS-CoV-2	98	96	97.96
B36 SARS-CoV2+Flu+RSV	148	148	100.00
B18 Gastrointestinall Panel NAT	809	809	100.00
B19 Respiratory Panel NAT	829	827	99.76
B23 Meningitis Panel NAT	388	388	100.00
<b>Total</b>	<b>2814</b>	<b>2804</b>	<b>99.64</b>

**B11 Chlamydia trachomatis/Neisseria gonorrhoeae**

<b>Chlamydia trachomatis (CT)</b>	Target Value	negative	positive	% Conform
Genexpert	positive	2	29	93.55
Other methods	positive	0	15	100.00
<b>Total</b>		<b>2</b>	<b>44</b>	<b>95.65</b>

<b>Neisseria gonorrhoeae (NG)</b>	Target Value	negative	positive	% Conform
Genexpert	negative	29	1	96.67
Other methods	negative	15	0	100.00
<b>Total</b>		<b>44</b>	<b>1</b>	<b>97.78</b>

**B12 Staphylococcus aureus, MRSA**

---

<b>Staphylococcus aureus (SA)</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	3	100.00

---

<b>MRSA</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	31	100.00

---

**B13 Clostridium difficile**

---

	Target Value	negative	positive	% Conform
Genexpert	positive	1	27	96.43
Other methods	positive	0	4	100.00
<b>Total</b>		<b>1</b>	<b>31</b>	<b>96.88</b>

---

**B14 Streptococcus Gruppe B**

---

	Target Value	negative	positive	% Conform
Genexpert	negative	37	0	100.00
Other methods	negative	1	0	100.00
<b>Total</b>		<b>38</b>	<b>0</b>	<b>100.00</b>

---

**B15 Norovirus**

---

	Target Value	negative	positive	% Conform
Genexpert	negative	66	1	98.51

---

**B16 Influenzavirus/RSV**

<b>Influenza A</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	55	100.00
Abbott ID NOW	positive	0	4	100.00
cobas Liat	positive	0	8	100.00
Other methods	positive	0	5	100.00
<b>Total</b>		<b>0</b>	<b>72</b>	<b>100.00</b>

<b>Influenza B</b>	Target Value	negative	positive	% Conform
Genexpert	negative	55	0	100.00
Abbott ID NOW	negative	4	0	100.00
cobas Liat	negative	8	0	100.00
Other methods	negative	4	0	100.00
<b>Total</b>		<b>71</b>	<b>0</b>	<b>100.00</b>

<b>RSV</b>	Target Value	negative	positive	% Conform
Genexpert	negative	53	0	100.00
cobas Liat	negative	4	1	80.00
Other methods	negative	3	0	100.00
<b>Total</b>		<b>60</b>	<b>1</b>	<b>98.36</b>

**B17 Mycobacterium tuberculosis**

---

	Target Value	negative	positive	% Conform
Genexpert	negative	18	0	100.00

---



**B25 Carba-R**

<b>Carba R (all)</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	1	100.00

<b>Carba-R (IMP1)</b>	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

<b>Carba-R (VIM)</b>	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

<b>Carba-R (NDM)</b>	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

<b>Carba-R (KPC)</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	8	100.00

<b>Carba-R (OXA48)</b>	Target Value	negative	positive	% Conform
Genexpert	negative	8	0	100.00

**B26 Enterovirus**

---

	Target Value	negative	positive	% Conform
Genexpert	positive	0	5	100.00

---

**B29 VanA/VanB**

---

	Target Value	negative	positive	% Conform
Genexpert	positive	0	12	100.00

---

**B31 SARS-CoV-2**

	Target Value	negative	positive	% Conform
Genexpert	negative	55	0	100.00
BD MAX	negative	6	0	100.00
MDX liaison DiaSorin	negative	12	1	92.31
cobas Liat	negative	10	0	100.00
Other methods	negative	13	1	92.86
<b>Total</b>		<b>96</b>	<b>2</b>	<b>97.96</b>

**B36 SARS-CoV2+Flu+RSV**

<b>SARS CoV-2</b>	Target Value	negative	positive	% Conform
Genexpert	negative	29	0	100.00
Other methods	negative	14	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Influenza A</b>	Target Value	negative	positive	% Conform
Genexpert	positive	0	25	100.00
Other methods	positive	0	11	100.00
<b>Total</b>		<b>0</b>	<b>36</b>	<b>100.00</b>

<b>Influenza B</b>	Target Value	negative	positive	% Conform
Genexpert	negative	26	0	100.00
Other methods	negative	10	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>RSV</b>	Target Value	negative	positive	% Conform
Genexpert	negative	25	0	100.00
Other methods	negative	8	0	100.00
<b>Total</b>		<b>33</b>	<b>0</b>	<b>100.00</b>

**B18 Gastrointestinal Panel NAT**

<b>Campylobacter</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	6	100.00
BD MAX	positive	0	3	100.00
MDX liaison DiaSorin	positive	0	1	100.00
<b>Total</b>		<b>0</b>	<b>42</b>	<b>100.00</b>

<b>Clostridium difficile</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	6	0	100.00
<b>Total</b>		<b>37</b>	<b>0</b>	<b>100.00</b>

<b>Plesiomonas shigelloides</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	5	0	100.00
BD MAX	negative	2	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>Salmonella</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	6	0	100.00
BD MAX	negative	3	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
<b>Total</b>		<b>42</b>	<b>0</b>	<b>100.00</b>

<b>Vibrio</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
BD MAX	negative	2	0	100.00
<b>Total</b>		<b>32</b>	<b>0</b>	<b>100.00</b>

<b>Vibrio cholerae</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>32</b>	<b>0</b>	<b>100.00</b>

<b>Yersinia enterocolitica</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	6	0	100.00
BD MAX	negative	2	0	100.00
<b>Total</b>		<b>39</b>	<b>0</b>	<b>100.00</b>

<b>E. coli (EAEC)</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>E. coli (EPEC)</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	29	0	100.00
QIAstat-DX	negative	4	0	100.00
<b>Total</b>		<b>33</b>	<b>0</b>	<b>100.00</b>

<b>E. coli (ETEC)</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	32	100.00
QIAstat-DX	positive	0	5	100.00
BD MAX	positive	0	2	100.00
<b>Total</b>		<b>0</b>	<b>39</b>	<b>100.00</b>

<b>E. coli (STEC)</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	6	0	100.00
BD MAX	negative	3	0	100.00
<b>Total</b>		<b>42</b>	<b>0</b>	<b>100.00</b>

<b>E. coli O157</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	27	0	100.00
QIAstat-DX	negative	3	0	100.00
<b>Total</b>		<b>30</b>	<b>0</b>	<b>100.00</b>

<b>E. coli (EIEC) / Shigella</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00
QIAstat-DX	negative	6	0	100.00
BD MAX	negative	3	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
<b>Total</b>		<b>42</b>	<b>0</b>	<b>100.00</b>

<b>Cryptosporidium</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	31	100.00
QIAstat-DX	positive	0	5	100.00
<b>Total</b>		<b>0</b>	<b>36</b>	<b>100.00</b>

<b>Cyclospora cayetanensis</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>

<b>Entamoeba histolytica</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	31	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>Giardia lamblia</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>

<b>Adenovirus F40/41</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>

<b>Astrovirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>



<b>Norovirus GI/GII</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	6	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>Rotavirus A</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	6	0	100.00
<b>Total</b>		<b>36</b>	<b>0</b>	<b>100.00</b>

<b>Sapovirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	30	0	100.00
QIAstat-DX	negative	5	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>

<b>Vibrio parahaemolyticus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	4	0	100.00

<b>Vibrio vulnificus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	4	0	100.00

**B19 Respiratory Panel NAT**

<b>Adenovirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	35	97.22
QIAstat-DX	positive	0	7	100.00
<b>Total</b>		<b>1</b>	<b>42</b>	<b>97.67</b>

<b>Bocavirus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	7	0	100.00

<b>Coronavirus 229E</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>41</b>	<b>0</b>	<b>100.00</b>

<b>Coronavirus HKU1</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	33	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>40</b>	<b>0</b>	<b>100.00</b>

<b>Coronavirus NL63</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	35	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>42</b>	<b>0</b>	<b>100.00</b>

<b>Coronavirus OC43</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>41</b>	<b>0</b>	<b>100.00</b>

<b>MERS-CoV</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	32	0	100.00

<b>SARS-Cov-2</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>41</b>	<b>0</b>	<b>100.00</b>

<b>Metapneumovirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Rhinovirus/Enterovirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Influenza A</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Influenza B</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Parainfluenza Virus 1</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	6	0	100.00
<b>Total</b>		<b>40</b>	<b>0</b>	<b>100.00</b>

<b>Parainfluenza Virus 2</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	33	100.00
QIAstat-DX	positive	0	7	100.00
<b>Total</b>		<b>0</b>	<b>40</b>	<b>100.00</b>

<b>Parainfluenza Virus 3</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>41</b>	<b>0</b>	<b>100.00</b>

<b>Parainfluenza Virus 4</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>41</b>	<b>0</b>	<b>100.00</b>

<b>Respiratory Syncytial Virus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
QIAstat-DX	negative	7	0	100.00
<b>Total</b>		<b>43</b>	<b>0</b>	<b>100.00</b>

<b>Bordetella parapertussis</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00

<b>Bordetella pertussis</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	34	0	100.00
QIAstat-DX	negative	7	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
<b>Total</b>		<b>42</b>	<b>0</b>	<b>100.00</b>

<b>Legionella pneumophilia</b>	Target Value	negative	positive	% Conform
Other methods	negative	1	0	100.00
QIAstat-DX	negative	6	0	100.00
<b>Total</b>		<b>7</b>	<b>0</b>	<b>100.00</b>

<b>Chlamydomphila pneumoniae</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	36	0	100.00
MDX liaison DiaSorin	negative	1	0	100.00
<b>Total</b>		<b>37</b>	<b>0</b>	<b>100.00</b>

<b>Mycoplasma pneumoniae</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	1	35	97.22
QIAstat-DX	positive	0	7	100.00
MDX liaison DiaSorin	negative	1	0	100.00
<b>Total</b>		<b>2</b>	<b>42</b>	<b>97.73</b>

<b>Parainfluenza</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	positive	0	1	100.00

**B23 Meningitis Panel NAT**

<b>Escherichia coli K1</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	24	0	100.00
<b>Total</b>		<b>26</b>	<b>0</b>	<b>100.00</b>

<b>Haemophilus influenzae</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	24	0	100.00
<b>Total</b>		<b>26</b>	<b>0</b>	<b>100.00</b>

<b>Listeria monocytogenes</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	25	0	100.00
<b>Total</b>		<b>27</b>	<b>0</b>	<b>100.00</b>

<b>Neisseria meningitidis</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	25	0	100.00
<b>Total</b>		<b>27</b>	<b>0</b>	<b>100.00</b>

<b>Streptococcus agalactiae</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	25	0	100.00
<b>Total</b>		<b>27</b>	<b>0</b>	<b>100.00</b>

<b>Streptococcus pneumoniae</b>	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	2	100.00
Biofire/Filmarray	positive	0	25	100.00
<b>Total</b>		<b>0</b>	<b>27</b>	<b>100.00</b>

<b>Zytomegalievirus</b>	Target Value	negative	positive	% Conform
Biofire/Filmarray	negative	25	0	100.00

<b>Enterovirus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	24	0	100.00
<b>Total</b>		<b>26</b>	<b>0</b>	<b>100.00</b>

<b>Herpes-simplex-Virus 1</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	27	0	100.00
MDX liaison DiaSorin	negative	5	0	100.00
other methods NAT	negative	1	0	100.00
<b>Total</b>		<b>35</b>	<b>0</b>	<b>100.00</b>

<b>Herpes-simplex-Virus 2</b>	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	2	100.00
Biofire/Filmarray	positive	0	27	100.00
MDX liaison DiaSorin	positive	0	5	100.00
other methods NAT	positive	0	1	100.00
<b>Total</b>		<b>0</b>	<b>35</b>	<b>100.00</b>

<b>Herpesvirus 6</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	23	0	100.00
<b>Total</b>		<b>25</b>	<b>0</b>	<b>100.00</b>

<b>Parechovirus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	positive	0	2	100.00
Biofire/Filmarray	positive	0	23	100.00
<b>Total</b>		<b>0</b>	<b>25</b>	<b>100.00</b>

<b>Varizella-Zoster-Virus</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	26	0	100.00
MDX liaison DiaSorin	negative	4	0	100.00
other methods NAT	negative	2	0	100.00
<b>Total</b>		<b>34</b>	<b>0</b>	<b>100.00</b>

<b>Cryptococcus neoformans/gattii</b>	Target Value	negative	positive	% Conform
QIAstat-DX	negative	2	0	100.00
Biofire/Filmarray	negative	21	0	100.00
<b>Total</b>		<b>23</b>	<b>0</b>	<b>100.00</b>