

Supplementary table 1. Comparison of bacteria detection by Atellica 1500 (Siemens healthineers, Erlangen, Germany) and Iris (Beckman Coulter, Brea, USA) urine analysers with urine culture results (N = 65)

Sample number	Iris (Beckman Coulter)		Atellica 1500 (Siemens)		Urine culture
	bacteria/ μ L	nitrites	bacteria/ μ L	nitrites	
1	0 (N)	N	64.24 (N)	N	Gram microorganisms are not found
2	0 (N)	N	60.72 (N)	N	10^3 (5-10 polymorphonuclears)
3	10 (1+)	2+	1606.00 (2+)	P	$> 10^5$ (< 5 polymorphonuclears)
4	14 (2+)	2+	1494.68 (2+)	P	$> 10^5$ (< 5 polymorphonuclears)
5	0 (N)	N	54.56 (N)	N	10^4 (None of polymorphonuclears. Epithelial cells present.)
6	0 (N)	N	248.60 (1+)	N	10^3 (Few epithelial cells. None of polymorphonuclears.)
7	0 (N)	N	334.84 (1+)	N	10^4 (Few polymorphonuclears)
8	0 (N)	N	164.56 (N)	N	10^4 (None of polymorphonuclears)
9	5 (N)	N	94.16 (N)	N	None of polymorphonuclears
10	23 (2+)	N	721.60 (2+)	N	$> 10^5$ (< 5 polymorphonuclears)
11	0 (N)	N	48.40 (N)	N	Gram microorganisms are not found
12	0 (N)	N	32.56 (N)	N	Gram microorganisms are not found
13	0 (N)	N	85.36 (N)	N	Gram microorganisms are not found
14	0 (N)	N	100.76 (N)	N	Gram microorganisms are not found
15	7 (1+)	N	388.52 (1+)	N	$> 10^5$ (None of polymorphonuclears)
16	0 (N)	N	57.20 (N)	N	Gram microorganisms are not found
17	0 (N)	N	140.80 (N)	N	Gram microorganisms are not found
18	0 (N)	N	66.88 (N)	N	Gram microorganisms are not found
19	1 (N)	N	72.60 (N)	N	10^3 (None of polymorphonuclears)
20	0 (N)	N	114.84 (N)	N	Gram microorganisms are not found
21	0 (N)	N	120.56 (N)	N	Gram microorganisms are not found
22	1 (N)	N	202.40 (1+)	N	10^2 (None of polymorphonuclears)
23	0 (N)	N	44.44 (N)	N	10^2 (None of polymorphonuclears)
24	0 (N)	N	67.76 (N)	N	10^2 (None of polymorphonuclears)
25	24 (2+)	N	302.28 (1+)	N	10^3 (None of polymorphonuclears)
26	0 (N)	N	92.40 (N)	N	Gram microorganisms are not found
27	1 (N)	N	324.28 (1+)	N	Gram microorganisms are not found
28	0 (N)	N	667.48 (2+)	N	Gram microorganisms are not found
29	0 (N)	N	52.80 (N)	N	Gram microorganisms are not found

Supplementary table 1. Continued.

31	0 (N)	N	90.20 (N)	N	Gram microorganisms are not found
32	68 (4+)	N	320.35 (1+)	N	10 ³ (None of polymorphonuclears)
33	0 (N)	N	7.48 (N)	N	10 ² (None of polymorphonuclears)
34	12 (1+)	N	333.08 (1+)	N	> 10 ⁵ (None of polymorphonuclears)
35	0 (N)	N	403.48 (1+)	N	10 ² (None of polymorphonuclears)
36	0 (N)	N	58.96 (N)	N	10 ² (None of polymorphonuclears)
37	0 (N)	N	157.52 (N)	N	Gram microorganisms are not found
38	0 (N)	N	35.20 (N)	N	Gram microorganisms are not found
39	0 (N)	N	24.64 (N)	N	10 ⁴ (None of polymorphonuclears)
40	0 (N)	N	323.20 (1+)	N	> 10 ⁵ (< 10 polymorphonuclears)
41	0 (N)	N	235.84 (1+)	N	10 ³ (None of polymorphonuclears)
					> 10 ⁵ (None of polymorphonuclears.)
42	2 (N)	2+	1753.40 (2+)	P	Great number of Gram-negative rods bacteria.)
43	0 (N)	N	62.48 (N)	N	10 ² (None of polymorphonuclears)
44	1 (N)	N	166.32 (N)	N	10 ⁴ (None of polymorphonuclears)
45	0 (N)	N	170.28 (N)	N	Gram microorganisms are not found
46	0 (N)	N	78.32 (N)	N	10 ³ (None of polymorphonuclears)
47	1 (N)	N	383.68 (1+)	N	10 ⁴ (None of polymorphonuclears)
48	2 (N)	N	135.96 (N)	N	10 ² (None of polymorphonuclears)
49	0 (N)	N	66.88 (N)	N	10 ² (None of polymorphonuclears)
					> 10 ⁵ (> 10 polymorphonuclears.)
50	0 (N)	N	88.88 (N)	N	Great number of Gram-positive cocci bacteria.)
					> 10 ⁵ (Some of polymorphonuclears.)
51	0 (N)	N	608.96 (2+)	N	Great number of Gram-negative rods bacteria.)
52	0 (N)	N	194.48 (N)	N	Gram microorganisms are not found
53	4 (N)	N	79.20 (N)	N	Gram microorganisms are not found
54	2 (N)	N	127.60 (N)	N	10 ² (None of polymorphonuclears)
55	0 (N)	N	262.24 (1+)	N	10 ² (None of polymorphonuclears)
56	0 (N)	N	102.96 (N)	N	10 ² (None of polymorphonuclears)
57	0 (N)	N	1136.96 (2+)	N	10 ² (None of polymorphonuclears)
58	0 (N)	N	253.88 (1+)	N	10 ⁴ (None of polymorphonuclears)
59	0 (N)	N	463.32 (1+)	N	> 10 ⁵ (None of polymorphonuclears)

Supplementary table 1. Continued.

60	1 (N)	2+	3516.48 (3+)	P	> 10 ⁵ (< 5 polymorphonuclears. Great number of Gram-negative rods bacteria.)
61	0 (N)	N	14.08 (N)	N	10 ² (None of polymorphonuclears)
62	0 (N)	N	30.36 (N)	N	10 ³ (None of polymorphonuclears)
63	0 (N)	N	147.84 (N)	N	10 ² (None of polymorphonuclears)
64	0 (N)	N	128.92 (N)	N	10 ³ (None of polymorphonuclears)
65	3 (N)	N	122.76 (N)	N	10 ² (None of polymorphonuclears)

N - negative. P - positive.