

Supplementary Table 1. Results for 181 samples across all assays used in the study.

Clinical sample/ dilution series	Sample no.	Gender (M/F)	Year of collection	Specimen type (additional water added, where required)	In-house-MgPa-PCR	RPMG				MG-Flex			
						RPMG assay - Interpretation	Ct values			MG-Flex assay - Interpretation	Ct values		
							MgPa	23S rRNA ‡	IC		MgPa	23S rRNA ‡	IC
clinical sample	1	F	2018	Cervical Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	29.1	30.4	23.1	Mg DETECTED. 23S rRNA mutations DETECTED.	28.3	29.3	19
clinical sample	2	F	2018	Cervical Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	35.1	36.2	24.4	Mg DETECTED. 23S rRNA mutations DETECTED.	34.4	38.3	19.2
clinical sample	3	F	2018	Cervical Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	18.3	22.4	23.4	Mg DETECTED. 23S rRNA mutations DETECTED.	17.4	22.3	16.7
clinical sample	4	F	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.3	23.8	22.7	Mg DETECTED. 23S rRNA mutations DETECTED.	21.9	22.5	23.3
clinical sample	5	F	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.8	26.1	22.8	Mg DETECTED. 23S rRNA mutations DETECTED.	24.1	24.5	22.4
clinical sample	6	F	2018	Vaginal Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	27.3	29.2	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	25.1	24.8	19.5
clinical sample	7	M	2018	Rectal Swab (500 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	28.1	29.3	23.7	Mg DETECTED. 23S rRNA mutations DETECTED.	27.1	26.2	18.1
clinical sample	8	M	2018	Rectal Swab (600 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	23.4	25.3	22.6	Mg DETECTED. 23S rRNA mutations DETECTED.	21.4	26.4	18.3
clinical sample	9	M	2018	Rectal Swab (800 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	34.6	35.1	23.3	Mg DETECTED. 23S rRNA mutations DETECTED.	35.5	38.8	19.7
clinical sample	10	M	2018	Urethral Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	24.2	27.1	22.2	Mg DETECTED. 23S rRNA mutations DETECTED.	20.4	21.3	22.9
clinical sample	11	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.6	26.7	23.6	Mg DETECTED. 23S rRNA mutations DETECTED.	21.5	22	19.4
clinical sample	12	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	30.4	31.3	22.9	Mg DETECTED. 23S rRNA mutations DETECTED.	28.6	28.6	19.8
clinical sample	13	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	26.7	27.9	23.8	Mg DETECTED. 23S rRNA mutations DETECTED.	24.8	24.7	20.1
clinical sample	14	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.3	26.9	24.1	Mg DETECTED. 23S rRNA mutations DETECTED.	24.9	25.1	17.9
clinical sample	15	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	27.4	28.1	24.4	Mg DETECTED. 23S rRNA mutations DETECTED.	25.6	25.2	18.4
clinical sample	16	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.3	22.9	24.3	Mg DETECTED. 23S rRNA mutations DETECTED.	20.6	21.3	19
clinical sample	17	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	28.3	31.3	22.4	Mg DETECTED. 23S rRNA mutations DETECTED.	27.7	29.9	18.8
clinical sample	18	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	23.8	24.3	24.3	Mg DETECTED. 23S rRNA mutations DETECTED.	23	23.1	18.3

clinical sample	19	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.1	23.3	22.4	Mg DETECTED. 23S rRNA mutations DETECTED.	20.7	21.9	19.8
clinical sample	20	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	28.3	32.4	22.4	Mg DETECTED. 23S rRNA mutations DETECTED.	24.1	29	22.2
clinical sample	21	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	24.2	29.9	23.7	Mg DETECTED. 23S rRNA mutations DETECTED.	25	30.1	19.7
clinical sample	22	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	22.2	26.7	24.5	Mg DETECTED. 23S rRNA mutations DETECTED.	20.6	25.2	18.6
clinical sample	23	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	24.4	26.3	24.1	Mg DETECTED. 23S rRNA mutations DETECTED.	21.1	22.1	16.8
clinical sample	24	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	26.4	29.3	23.3	Mg DETECTED. 23S rRNA mutations DETECTED.	24.7	24.3	18.2
clinical sample	25	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.3	23.3	22.7	Mg DETECTED. 23S rRNA mutations DETECTED.	20.6	25.7	17.5
clinical sample	26	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	19.7	24.1	23.1	Mg DETECTED. 23S rRNA mutations DETECTED.	20.1	21.1	18.1
clinical sample	27	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	22.1	25.6	24.2	Mg DETECTED. 23S rRNA mutations DETECTED.	20.1	21.5	17.6
clinical sample	28	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	17.9	18.7	23.3	Mg DETECTED. 23S rRNA mutations DETECTED.	14.1	18.7	18.7
clinical sample	29	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	28.4	30.2	22.4	Mg DETECTED. 23S rRNA mutations DETECTED.	25.3	25.4	19.6
clinical sample	30	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	20.4	23.7	22.7	Mg DETECTED. 23S rRNA mutations DETECTED.	21.5	22.5	20.1
clinical sample	31	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.9	26.6	24.4	Mg DETECTED. 23S rRNA mutations DETECTED.	25.2	25.6	19.7
clinical sample	32	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.1	26.4	23.3	Mg DETECTED. 23S rRNA mutations DETECTED.	24.6	24.3	19.4
clinical sample	33	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.2	23.4	24.6	Mg DETECTED. 23S rRNA mutations DETECTED.	17.5	18.5	18.1
clinical sample	34	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	22.6	24.9	25.2	Mg DETECTED. 23S rRNA mutations DETECTED.	21	25.3	19
clinical sample	35	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	24.2	25.1	24.4	Mg DETECTED. 23S rRNA mutations DETECTED.	21	21.1	18.2
clinical sample	36	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	21.1	23.4	23.4	Mg DETECTED. 23S rRNA mutations DETECTED.	16.7	21.6	20.3
clinical sample	37	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	20.3	21.7	24.2	Mg DETECTED. 23S rRNA mutations DETECTED.	16.6	17.9	18.5
clinical sample	38	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	20.1	22.9	24.2	Mg DETECTED. 23S rRNA mutations DETECTED.	17.8	22.9	18.3
clinical sample	39	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	29.3	30.2	25.1	Mg DETECTED. 23S rRNA mutations DETECTED.	28.7	28.1	18.2
clinical sample	40	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	22.3	24.6	24.4	Mg DETECTED. 23S rRNA mutations DETECTED.	20.5	21.6	18.4
clinical sample	41 †	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	20.3	21.8	22.2	Mg DETECTED. 23S rRNA mutations DETECTED.	18	18.9	19
clinical sample	42	F	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	20.7	24.3	23.6	Mg DETECTED. 23S rRNA mutations DETECTED.	17.3	21.1	18
clinical sample	43	M	2018	Urethral Swab	DETECTED	Mg DETECTED. 23S rRNA mutations DETECTED.	25.3	26.3	25.3	Mg DETECTED. 23S rRNA mutations DETECTED.	22.5	28.5	21.2

clinical sample	44	F	2018	Cervical Swab	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	24.5	nd	24.1	Mg DETECTED. 23S rRNA mutations not detected.	24.4	nd	19.3
clinical sample	45	F	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	26.3	nd	23.5	Mg DETECTED. 23S rRNA mutations not detected.	25.8	nd	19.3
clinical sample	46	F	2018	Vaginal Swab	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	39.9	nd	23.3	Mg DETECTED. 23S rRNA mutations not detected.	40.1	nd	18.3
clinical sample	47	F	2018	Vaginal Swab (400 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	35.1	nd	22.8	Mg DETECTED. 23S rRNA mutations not detected.	33.3	nd	19.2
clinical sample	48	M	2018	Rectal Swab (800 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	36.9	nd	23.3	Mg DETECTED. 23S rRNA mutations not detected.	35.9	nd	19.1
clinical sample	49	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	30.2	nd	24.6	Mg DETECTED. 23S rRNA mutations not detected.	27.4	nd	21.6
clinical sample	50	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	19.5	nd	24.1	Mg DETECTED. 23S rRNA mutations not detected.	21.6	39.4	18.7
clinical sample	51	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	23.4	nd	23.3	Mg DETECTED. 23S rRNA mutations not detected.	21.1	35.7	20.2
clinical sample	52	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	35.6	nd	22.4	Mg DETECTED. 23S rRNA mutations not detected.	44.6	34	19.7
clinical sample	53	M	2017	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	19.7	27.8	24.2	Mg DETECTED. 23S rRNA mutations not detected.	15.8	26.3	17.4
clinical sample	54	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	23.4	nd	23.3	Mg DETECTED. 23S rRNA mutations not detected.	21.6	39.6	20.3
clinical sample	55	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	27.9	nd	24.3	Mg DETECTED. 23S rRNA mutations not detected.	25.9	nd	20.8
clinical sample	56	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	20	34.3	24.5	Mg DETECTED. 23S rRNA mutations not detected.	18.5	33.3	19.1
clinical sample	57	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	28.4	nd	24.8	Mg DETECTED. 23S rRNA mutations not detected.	26.5	nd	19.5
clinical sample	58	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	19.6	35.4	25.2	Mg DETECTED. 23S rRNA mutations not detected.	17.2	30.1	18.2
clinical sample	59	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	20.1	39.2	23.3	Mg DETECTED. 23S rRNA mutations not detected.	16.4	26.6	17.6
clinical sample	60	F	2018	Cervical Swab	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	19.6	31.2	22.9	Mg DETECTED. 23S rRNA mutations not detected.	16.4	27.6	16
clinical sample	61	M	2018	Rectal Swab	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	28.1	39.8	22	Mg DETECTED. 23S rRNA mutations not detected.	25.5	35.1	17.7
clinical sample	62	M	2018	Rectal Swab (550 µL)	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	33	nd	23.7	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.5
clinical sample	63	M	2018	Urine	DETECTED	Mg DETECTED. 23S rRNA mutations not detected.	34.8	nd	22.9	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.1
clinical sample	64	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.9
clinical sample	65	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.3
clinical sample	66	F	2018	Cervical Swab	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.7	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.1

clinical sample	67	F	2018	Cervical Swab	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.3
clinical sample	68	F	2018	Cervical Swab (550 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22
clinical sample	69	F	2018	Cervical Swab (700 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.2
clinical sample	70	F	2018	Rectal Swab (550 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.4
clinical sample	71	F	2018	Rectal Swab (900 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.4
clinical sample	72	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.1
clinical sample	73	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.2
clinical sample	74	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.3
clinical sample	75	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.6
clinical sample	76	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.5	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.4
clinical sample	77	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.8
clinical sample	78	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.7	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.8
clinical sample	79	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.8
clinical sample	80	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.9
clinical sample	81	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.5
clinical sample	82	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.2
clinical sample	83	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.9
clinical sample	84	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.1
clinical sample	85	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.2
clinical sample	86	F	2018	Vaginal Swab (750 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.4
clinical sample	87	F	2018	Vaginal Swab (800 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.4
clinical sample	88	M	2018	Genital Swab	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.3

clinical sample	89	M	2018	Rectal Swab	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.3
clinical sample	90	M	2018	Rectal Swab (500 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.4
clinical sample	91	M	2019	Rectal Swab (500 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.1
clinical sample	92	M	2018	Rectal Swab (600 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.2
clinical sample	93	M	2018	Rectal Swab (650 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20
clinical sample	94	M	2018	Rectal Swab (800 µL)	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.9	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.6
clinical sample	95	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.1
clinical sample	96	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.5
clinical sample	97	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.8
clinical sample	98	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.3
clinical sample	99	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.5	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.4
clinical sample	100	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.5	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.1
clinical sample	101	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.5	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.9
clinical sample	102	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.6	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.5
clinical sample	103	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.2	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.5
clinical sample	104	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.4
clinical sample	105	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.9	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.1
clinical sample	106	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.3
clinical sample	107	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.4
clinical sample	108	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.7	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.9
clinical sample	109	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.9	Mg not detected. 23S rRNA mutations not detected.	nd	nd	17.1
clinical sample	110	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.4

clinical sample	161	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.7
clinical sample	162	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.3
clinical sample	163	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	21.8
clinical sample	164	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.2
clinical sample	165	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.6
clinical sample	166	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.5
clinical sample	167	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	32.2	22.7	Mg not detected. 23S rRNA mutations not detected.	nd	24.9	22.4
clinical sample	168	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.2	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.3
clinical sample	169	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.2	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.8
clinical sample	170	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.7
clinical sample	171	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.6	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.4
clinical sample	172	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.7	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.7
clinical sample	173	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	24.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	18.1
clinical sample	174	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.7
clinical sample	175	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	25.1	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.4
clinical sample	176	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	20.1
clinical sample	177	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.8	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.1
clinical sample	178	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.4	Mg not detected. 23S rRNA mutations not detected.	nd	nd	22.1
clinical sample	179	F	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.2	Mg not detected. 23S rRNA mutations not detected.	nd	nd	19.2
clinical sample	180	M	2018	Rectal Swab	nd	Mg not detected 23S rRNA mutations not detected.	nd	nd	23.4	Invalid	Invalid	Invalid	Inva lid
clinical sample	181	M	2018	Urine	nd	Mg not detected. 23S rRNA mutations not detected.	nd	nd	23.5	Invalid	Invalid	Invalid	Inva lid
dilution series	10 ⁻¹ replicate 1	M	N/A	Urine	not performed	Mg DETECTED. 23S rRNA mutations DETECTED.	24.8	26.3	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	22	22.3	18.1
dilution series	10 ⁻¹ replicate 2	M	N/A	Urine	not performed	Mg DETECTED. 23S rRNA mutations DETECTED.	24.4	26.2	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	21.6	22	17.4
dilution series	10 ⁻² replicate 1	M	N/A	Urine	not performed	Mg DETECTED. 23S rRNA mutations DETECTED.	26.7	29.3	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	25.5	24.6	18.4
dilution series	10 ⁻² replicate 2	M	N/A	Urine	not performed	Mg DETECTED. 23S rRNA mutations DETECTED.	30.3	29.3	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	26.6	24.8	18.4

dilution series	10 ⁻³ replicate 1	M	N/A	Urine	not performed	Mg DETECTED. 23S rRNA mutations DETECTED.	30.3	31.4	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	29.8	37.9	17.8
dilution series	10 ⁻³ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg DETECTED. 23S rRNA mutations DETECTED.	29.4	28.6	18
dilution series	10 ⁻⁴ replicate 1	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.4	Mg not detected 23S rRNA mutations not detected.	nd	nd	19
dilution series	10 ⁻⁴ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.1	Mg not detected 23S rRNA mutations not detected.	nd	nd	20.1
dilution series	10 ⁻⁵ replicate 1	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected 23S rRNA mutations not detected.	nd	nd	17.9
dilution series	10 ⁻⁵ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.6	Mg not detected 23S rRNA mutations not detected.	nd	nd	17.9
dilution series	10 ⁻⁶ replicate 1	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected 23S rRNA mutations not detected.	nd	nd	18.3
dilution series	10 ⁻⁶ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected 23S rRNA mutations not detected.	nd	nd	17.3
dilution series	10 ⁻⁷ replicate 1	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected 23S rRNA mutations not detected.	nd	nd	18
dilution series	10 ⁻⁷ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22	Mg not detected 23S rRNA mutations not detected.	nd	nd	18.2
dilution series	10 ⁻⁸ replicate 1	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.3	Mg not detected 23S rRNA mutations not detected.	nd	nd	18.1
dilution series	10 ⁻⁸ replicate 2	M	N/A	Urine	not performed	Mg not detected 23S rRNA mutations not detected.	nd	nd	22.1	Mg not detected 23S rRNA mutations not detected.	nd	nd	17.5

† Sample 41 used for limit of detection (LOD) dilution series analysis.

* Samples 62 and 63 yielded discrepant results. Discrepant results for sample 62 was likely due to a combination of low infectious load and a low starting volume of the original sample, resulting in the pathogen not being identified from the original specimen in the SpDx-RPMG-Flex assay. Similarly, for sample 63, discordant results were likely as a consequence of low infectious load (as indicated by the high Ct values in the SpDx-RPMG assay).

‡ 23S rRNA mutations determined by UgenTec FastFinder software (SpDx-RPMG assay) or by GeneXpert software (Cepheid). Some non-specific amplification from the 23S rRNA mutant assay may be seen in samples that contain high concentrations of *M. genitalium* wild type 23S rRNA.