

**PCR-/NAT Urogenital Panel
 (RV 547) November 2019**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>	<i>Probenzusammensetzung / Sample composition</i>
1925471	+++	<i>Trichomonas vaginalis</i> (~ 1x10 ⁵ CFU/mL)
1925472	++	<i>Gardnerella vaginalis</i> (~ 5x10 ⁴ CFU/mL)
1925473	++	<i>Mycoplasma genitalium</i> (~ 5x10 ⁴ CFU/mL)
1925474	∅	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Mycoplasma genitalium* dargestellt.

Absolute numbers of reported individual results.

*Note: only the **M.genitalium-specific results** are depicted in this table*

<i>n = 68</i>	Probennummer (Sample no.)					Inhibition			
	1925471	1925472	1925473	1925474		1925471	1925472	1925473	1925474
Befund <i>Result</i>									
Positiv	0	0	68	1	n.d.	0	0	0	0
Negativ	68	68	0	67	nein <i>no</i>	21	22	22	21
Fraglich <i>Questionable</i>	0	0	0	0	ja <i>yes</i>	1	0	0	1

Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwenden verschiedener Methoden. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Mycoplasma genitalium* dargestellt.

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.

*Note: only the **M.genitalium -specific results** are depicted in this table.*

NAT-Methode [Code] (total number *)	NAT richtig positiv		NAT richtig negativ <i>True negative results</i>					
	1925473		1925471		1925472		1925474	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Multiplex Kit [20] (n = 20)	20	100	20	100	20	100	19	95
Commercial assay [27] (n = 38)	38	100	38	100	38	100	38	100
In house PCR assay [28] (n = 10)	10	100	10	100	10	100	10	100

Tabelle 4: Häufigkeit der Mitteilung verschiedener Befunde. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Trichomonas vaginalis* dargestellt.
 Absolute numbers of reported individual results.
 Note: only the *T.vaginalis*-specific results are depicted in this table

n = 55	Probennummer (Sample no.)					Inhibition			
	1925471	1925472	1925473	1925474		1925471	1925472	1925473	1925474
Befund <i>Result</i>									
Positiv	53	1	0	1	n.d.	0	0	0	0
Negativ	2	54	55	54	nein <i>no</i>	55	55	55	55
Fraglich <i>Questionable</i>	0	0	0	0	ja <i>yes</i>	0	0	0	0

Tabelle 5: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern verschiedener Methoden. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Trichomonas vaginalis* dargestellt.
 Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.
 Note: only the *T.vaginalis*-specific results are depicted in this table.

NAT-Methode [Code] (total number *)	NAT richtig positiv		NAT richtig negativ <i>True negative results</i>					
	1925471		1925472		1925473		1925474	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Multiplex Kit [20] (n = 19)	19	100	19	100	19	100	19	100
Commercial assay [27] (n = 27)	25	93	26	96	27	100	26	96
<i>In house</i> PCR assay [28] (n = 9)	9	100	9	100	9	100	9	100

Tabelle 6: Häufigkeit der Mitteilung verschiedener Befunde. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Gardnerella vaginalis* dargestellt.
 Absolute numbers of reported individual results.
 Note: only the *G.vaginalis*-specific results are depicted in this table

n = 16	Probennummer (Sample no.)					Inhibition			
	1925471	1925472	1925473	1925474		1925471	1925472	1925473	1925474
Befund <i>Result</i>									
Positiv	0	14	1	1	n.d.	0	0	0	0
Negativ	16	2	15	15	nein <i>no</i>	16	16	16	16
Fraglich <i>Questionable</i>	0	0	0	0	ja <i>yes</i>	0	0	0	0

Tabelle 7: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern verschiedener Methoden. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Gardnerella vaginalis* dargestellt.

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.

Note: only the *G.vaginalis-specific results* are depicted in this table.

NAT-Methode [Code] (total number *)	NAT richtig positiv		NAT richtig negativ <i>True negative results</i>					
	1925472		1925471		1925473		1925474	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Multiplex Kit [20] (n = 3)	3	100	3	100	2	67	3	100
Commercial assay [27] (n = 5)	3	60	5	100	5	100	5	100
<i>In house</i> PCR assay [28] (n = 8)	8	100	8	100	8	100	7	88

Comments:

¹⁾ *Mycoplasma hominis*-detection was performed by 64 laboratories. With the exception of 2 laboratories, with 1 false positive result, all reported results were correct.

²⁾ *Ureaplasma parvum*-detection was performed by 60 laboratories. All reported results were correct.

³⁾ *Ureaplasma urealyticum*-detection was performed by 63 laboratories. All reported results were correct.

⁴⁾ *Treponema pallidum*-detection was performed by 32 laboratories. With the exception of 1 laboratory, with 1 false positive result, all reported results were correct.