

PCR-/NAT *C. trachomatis* & GO (RV 530) Nov 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected	Probenzusammensetzung / Sample composition
530A 251014 01	+++ / +	<i>Chlamydia trachomatis</i> (~ 5x10 ⁵ IFU/mL) <i>Neisseria gonorrhoeae</i> (~ 5x10 ⁴ CFU/mL)
530A 251014 02	Ø / Ø	<i>Escherichia coli</i> K12
530A 251014 03	++ / ++	<i>Chlamydia trachomatis</i> (~ 5x10 ⁴ IFU/mL) <i>Neisseria gonorrhoeae</i> (~ 5x10 ⁵ CFU/mL)
530A 251014 04	+++ / (+)	<i>Chlamydia trachomatis</i> (~ 5x10 ⁵ IFU/mL) <i>Neisseria gonorrhoeae</i> (~ 5x10 ³ CFU/mL)

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

Absolute numbers of reported individual results. Note: only the C. trachomatis-specific results are depicted in this table.

<i>n</i> = 303	Proben Nr. (<i>Sample no.</i>)			
Befund <i>Result</i>	01	02	03	04
Positiv	302	4	302	301
Negativ	1	298	1	2
Fraglich <i>Questionable</i>	0	1	0	0

	Inhibition			
	01	02	03	04
n.d.	2	2	2	2
nein / <i>no</i>	301	301	301	301
ja / <i>yes</i>	0	0	0	0

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

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods. Note: only the C. trachomatis-specific results are depicted.

NAT-Methode [Code] (total number *)	NAT richtig positiv True positive results						NAT richtig negativ	
	01		03		04		02	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
AID RDB 2110 STD (n = 2)	2	100	2	100	1	50	2	100
Abbott Alinity m STI Assay (n = 19)	19	100	18	95	19	100	19	100
Abbott RealTime CT (n = 6)	6	100	6	100	6	100	6	100
Abbott RealTime CT/NG (n = 2)	2	100	2	100	2	100	2	100

Amplex eazyplex STD complete (n = 1)	1	100	1	100	1	100	1	100
AmpliSens CT FRT PCR Kit (n = 1)	1	100	1	100	1	100	1	100
BD MAX CT (n = 24)	24	100	24	100	24	100	24	100
BD ProbeTec (n = 2)	2	100	2	100	2	100	2	100
BIORON RealLine CT (n = 1)	1	100	1	100	1	100	1	100
Bruker-HAIN FluoroType CT (n = 6)	6	100	6	100	6	100	6	100
Bruker-HAIN FluoroType STI (n = 2)	2	100	2	100	2	100	2	100
Cepheid Xpert CT/NG (n = 28)	28	100	28	100	28	100	27	96
CerTest VIASURE STD (n = 1)	1	100	1	100	1	100	1	100
DNA-TECHNOLOGY CT (n = 1)	1	100	1	100	1	100	1	100
STI PLUS ELITE MGB Kit (n = 3)	3	100	3	100	3	100	3	100
EUROIMMUN EUROArray STI CT/NG (n = 5)	5	100	5	100	5	100	4	80
GeneProof C. trachomatis (n = 3)	3	100	3	100	3	100	3	100
GeneProof CT/NG/MG Multiplex (n = 4)	4	100	4	100	4	100	3[§]	100
Goffin Presto CT/NG Assay (n = 1)	1	100	1	100	1	100	1	100
Hologic Aptima Combo 2 assay (n = 16)	16	100	16	100	16	100	16	100
Immundiagnostik MutaPLEX STI-1 (n = 1)	1	100	1	100	1	100	1	100
MIKROGEN ampliCube STD Panel 1 (n = 18)	18	100	18	100	18	100	18	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT (n = 10)	9	90	10	100	10	100	9	90
Roche cobas 5800, 6800, 8800 CT (n = 63)	63	100	63	100	63	100	63	100
Sacace C. trachomatis Real TM (n = 4)	4	100	4	100	4	100	4	100
Seegene Allplex CT/NG/MG/TV (n = 17)	17	100	17	100	17	100	17	100
Seegene Allplex STI Essential (n = 33)	33	100	33	100	33	100	33	100
Seegene Anyplex II STI-7e (n = 1)	1	100	1	100	1	100	1	100
TIB Molbiol LightMix CT (n = 3)	3	100	3	100	3	100	3	100
Aprimeo/BOSCH Vivalytic STI (n = 3)	3	100	3	100	3	100	2	67
In house PCR assay (n = 8)	8	100	8	100	8	100	8	100
Other commercial tests (n = 13)	13	100	13	100	12	92	13	100

[§] Fraglich Due to reporting questionable results, the number of true results has been reduced.

Comments:

The following tests are listed under "Other commercial tests": Altona FlexStar CT & NG PCR Detection Mix 1.5 (3x), cobas CT/NG (2x), EUROIMMUN EUROArray STD-11 (1x), Sansure Biotech C.trachomatis/U.urealyticum/N.gonorrhoeae Diagnostic Kit (1x), CerTest VIASURE Sexual Health Panel I Real Time PCR Detection Kit (1x), Gerbion diarellaSTI-1 (1x), BD CTGCTV2 for BD MAX System (1x), vitro master diagnostica STD direct flow Chip Kit (1x) and VISION STI Kit (1x).

Tabelle 4: Häufigkeit der Mitteilung verschiedener Befunde. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Neisseria gonorrhoeae* dargestellt.

*Absolute numbers of reported individual results. Note: only the *N. gonorrhoeae*-specific results are depicted in this table*

n = 303	Proben Nr. (Sample no.)					Inhibition			
Befund <i>Result</i>	01	02	03	04		01	02	03	04
Positiv	301	3	302	286	n.d.	2	2	2	2
Negativ	2	300	1	16	nein / no	301	301	301	301
Fraglich <i>Questionable</i>	0	0	0	1	ja / yes	0	0	0	0

Tabelle 5: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwenden verschiedener Methoden. Anmerkung: in dieser Tabelle sind nur die Ergebnisse für *Neisseria gonorrhoeae* dargestellt.

*Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods. Note: only the *N. gonorrhoeae*-specific results are depicted.*

NAT-Methode [Code] (total number *)	NAT richtig positiv <i>True positive results</i>						NAT richtig negativ	
	01		03		04		02	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AID RDB 2110 STD (n = 2)	2	100	2	100	1	50	2	100
AID RDB 2335 STI (n = 1)	1	100	1	100	1	100	1	100
Abbott Alinity m STI Assay (n = 19)	19	100	18	95	19	100	19	100
Abbott RealTime CT/NG (n = 2)	2	100	2	100	2	100	2	100
Abbott RealTime NG (n = 6)	6	100	6	100	6	100	6	100
Amplex eazypex STD complete (n = 1)	1	100	1	100	1	100	1	100
AmpliSens NG FRT PCR Kit (n = 1)	1	100	1	100	1	100	1	100
BD MAX NG (n = 24)	24	100	24	100	23	96	24	100
BD ProbeTec (n = 2)	2	100	2	100	2	100	2	100
BIORON RealLine NG (n = 1)	1	100	1	100	1	100	1	100
Bruker-HAIN FluoroType NG (n = 5)	5	100	5	100	5	100	5	100
Bruker-HAIN FluoroType STI (n = 2)	2	100	2	100	2	100	2	100
Cepheid Xpert CT/NG (n = 28)	28	100	28	100	28	100	27	96
CerTest VIASURE STD (n = 1)	1	100	1	100	1	100	1	100
DNA-TECHNOLOGY NG (n = 1)	1	100	1	100	1	100	1	100
STI PLUS ELiTe MGB Kit (n = 3)	3	100	3	100	3	100	3	100
EUROIMMUN EUROArray STI CT/NG (n = 5)	5	100	5	100	5	100	5	100

GeneProof CT/NG/MG Multiplex (n = 4)	4	100	4	100	3§	100	4	100
GeneProof N. gonorrhoeae (n = 4)	4	100	4	100	4	100	4	100
Goffin Presto CT/NG Assay (n = 1)	1	100	1	100	1	100	1	100
Hologic Aptima Combo 2 assay (n = 15)	14	93	15	100	2	13	15	100
Immundiagnostik MutaPLEX STI-1 (n = 1)	1	100	1	100	1	100	1	100
MIKROGEN ampliCube STD Panel 1 (n = 18)	18	100	18	100	18	100	18	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT (n = 10)	9	90	10	100	10	100	9	90
Roche cobas 5800, 6800, 8800 CT (n = 63)	63	100	63	100	63	100	63	100
Sacace N. gonorrhoeae Real TM (n = 4)	4	100	4	100	4	100	4	100
Seegene Allplex CT/NG/MG/TV (n = 17)	17	100	17	100	17	100	17	100
Seegene Allplex STI Essential (n = 33)	33	100	33	100	33	100	33	100
Seegene Anyplex II STI-7e (n = 1)	1	100	1	100	1	100	1	100
TIB Molbiol LightMix NG (n = 3)	3	100	3	100	3	100	3	100
Aprimeo/BOSCH Vivalytic STI (n = 3)	3	100	3	100	3	100	2	67
In house PCR assay (n = 7)	7	100	7	100	7	100	7	100
Other commercial tests (n = 14)	14	100	14	100	13	93	14	100

§ Fraglich Due to reporting questionable results, the number of true results has been reduced.

Comments:

- The following tests are listed under "Other commercial tests": Altona FlexStar CT & NG PCR Detection Mix 1.5 (3x), cobas CT/NG (2x), EUROIMMUN EUROArray STD-11 (1x), Sansure Biotech C.trachomatis/U.urealyticum/N.gonorrhoeae Diagnostic Kit (1x), CerTest VIASURE Sexual Health Panel I Real Time PCR Detection Kit (1x), Gerbion diarellaSTI-1 (1x), BD CTGCTV2 for BD MAX System (1x), NADAL PCR Analyzer (1x), vitro master diagnostica STD direct flow Chip Kit (1x) and VISION STI Kit (1x).