

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected	Probenzusammensetzung / Sample composition
530A 250520 01	Ø / ++	<i>Neisseria gonorrhoeae</i> (~ 5x10 ⁴ CFU/mL)
530A 250520 02	++ / Ø	<i>Chlamydia trachomatis</i> (~ 5x10 ⁴ IFU/mL)
530A 250520 03	Ø / +++	<i>Neisseria gonorrhoeae</i> (~ 5x10 ⁵ CFU/mL)
530A 250520 04	++ / Ø	<i>Chlamydia trachomatis</i> (~ 5x10 ⁴ IFU/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> = 316	Proben Nr. (Sample no.)				Inhibition			
Befund Result	01	02	03	04	01	02	03	04
Positiv	2	315	4	315	n.d.	2	2	2
Negativ	314	1	312	1	nein / no	314	314	314
Fraglich Questionable	0	0	0	0	ja / yes	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 True negative results			
	02		04		01		03	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
AB Analytica RQ-SevenSTI (n = 1)	1	100	1	100	1	100	1	100
AID RDB 2110 STD (n = 3)	3	100	3	100	3	100	3	100
Abbott Alinity m STI Assay (n = 20)	20	100	20	100	20	100	20	100
Abbott RealTime CT (n = 8)	8	100	8	100	8	100	8	100
Abbott RealTime CT/NG (n = 1)	1	100	1	100	1	100	1	100

Amplex eazyplex STD complete (n = 1)	1	100	1	100	1	100	1	100
AmpliSens CT FRT PCR Kit (n = 2)	2	100	2	100	2	100	2	100
BD MAX CT (n = 24)	23	96	24	100	24	100	23	96
BD ProbeTec (n = 1)	1	100	1	100	1	100	1	100
BIORON RealLine CT (n = 2)	2	100	2	100	2	100	2	100
Bruker-HAIN FluoroType CT (n = 10)	10	100	10	100	10	100	10	100
Bruker-HAIN FluoroType STI (n = 2)	2	100	2	100	2	100	2	100
Cepheid Xpert CT/NG (n = 30)	30	100	30	100	30	100	28	93
CerTest VIASURE STD (n = 2)	2	100	2	100	2	100	2	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 = 4)	4	100	4	100	4	100	4	100
GeneProof C. trachomatis (n = 8)	8	100	8	100	8	100	8	100
GeneProof CT/NG/MG Multiplex (n = 3)	3	100	3	100	3	100	3	100
Goffin Presto CT/NG Assay (n = 1)	1	100	1	100	1	100	1	100
Hologic Aptima Combo 2 assay (n=18)	18	100	18	100	18	100	18	100
Immundiagnostik MutaPLEX STI-1 (n = 2)	2	100	2	100	2	100	2	100
MIKROGEN ampliCube STD Panel 1 (n = 14)	14	100	13	93	14	100	14	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT (n = 13)	13	100	13	100	13	100	13	100
Roche cobas 5800, 6800, 8800 CT (n = 64)	64	100	64	100	64	100	63	98
Sacace C. trachomatis Real TM (n = 3)	3	100	3	100	3	100	3	100
Seegene Allplex CT/NG/MG/TV (n = 14)	14	100	14	100	14	100	14	100
Seegene Allplex STI Essential (n = 35)	35	100	35	100	35	100	35	100
Seegene Anyplex II STI-7e (n = 1)	1	100	1	100	1	100	1	100
TIB Molbiol LightMix CT (n = 4)	4	100	4	100	4	100	4	100
Aprimeo/BOSCH Vivalytic STI (n = 4)	4	100	4	100	2	50	4	100
In house PCR assay (n = 7)	7	100	7	100	7	100	7	100
Other commercial tests (n = 9)	9	100	9	100	9	100	9	100

Comments:

The following tests are listed under "Other commercial tests": Altona FlexStar CT & NG PCR Detection Mix 1.5 (2x), cobas CT/NG (2x), AusDiagnostics STI 16-well (1x), ECOLI eDetect CT-NG QL PCR Kit (1x), BD CTGCTV2 (1x) and Genematrix NeoPlex STI-7 Detection 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 = 316	Proben Nr. (Sample no.)					Inhibition			
Befund <i>Result</i>	01	02	03	04		01	02	03	04
Positiv	316	9	314	14	n.d.	2	2	2	2
Negativ	0	307	2	302	nein / no	314	314	314	314
Fraglich <i>Questionable</i>	0	0	0	0	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 <i>True negative results</i>			
	01		03		02		04	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AB Analytica RQ-SevenSTI (n = 1)	1	100	1	100	1	100	1	100
AID RDB 2110 STD (n = 3)	3	100	3	100	3	100	2	67
AID RDB 2335 STI (n = 1)	1	100	1	100	1	100	1	100
Abbott Alinity m STI Assay (n = 20)	20	100	20	100	20	100	19	95
Abbott RealTime CT/NG (n = 1)	1	100	1	100	1	100	1	100
Abbott RealTime NG (n = 8)	8	100	8	100	8	100	7	88
Amplex eazyplesx 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	22	92	23	96	23	96
BD ProbeTec (n = 1)	1	100	1	100	1	100	1	100
BIORON RealLine NG (n = 2)	2	100	2	100	2	100	2	100
Bruker-HAIN FluoroType NG (n = 8)	8	100	8	100	8	100	7	88
Bruker-HAIN FluoroType STI (n = 2)	2	100	2	100	2	100	2	100
Cepheid Xpert CT/NG (n = 30)	30	100	30	100	28	93	27	90
CerTest VIASURE STD (n = 2)	2	100	2	100	2	100	2	100
DNA-TECHNOLOGY NG (n = 2)	2	100	2	100	2	100	2	100
STI PLUS ELITe MGB Kit (n = 3)	3	100	3	100	3	100	3	100

EUROIMMUN EUROArray STI CT/NG (n = 4)	4	100	4	100	4	100	4	100
GeneProof CT/NG/MG Multiplex (n = 3)	3	100	3	100	3	100	3	100
GeneProof N. gonorrhoeae (n = 7)	7	100	7	100	7	100	6	86
Goffin Presto CT/NG Assay (n = 1)	1	100	1	100	1	100	1	100
Hologic Aptima Combo 2 assay (n = 17)	17	100	17	100	17	100	17	100
Immundiagnostik MutaPLEX STI-1 (n = 2)	2	100	2	100	1	50	1	50
MIKROGEN ampliCube STD Panel 1 (n = 14)	14	100	14	100	13	93	14	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT (n = 13)	13	100	13	100	13	100	13	100
Roche cobas 5800, 6800, 8800 CT (n = 64)	64	100	64	100	64	100	62	97
Sacace N. gonorrhoeae Real TM (n = 2)	2	100	2	100	2	100	2	100
Seegene Allplex CT/NG/MG/TV (n = 14)	14	100	14	100	14	100	14	100
Seegene Allplex STI Essential (n = 37)	37	100	37	100	34	92	35	95
Seegene Anyplex II STI-7e (n = 1)	1	100	1	100	1	100	1	100
TIB Molbiol LightMix NG (n = 4)	4	100	4	100	4	100	4	100
Aprimeo/BOSCH Vivalytic STI (n = 4)	4	100	4	100	3	75	4	100
In house PCR assay (n = 7)	7	100	7	100	7	100	7	100
Other commercial tests (n = 11)	11	100	11	100	11	100	11	100

Comments:

1. The following tests are listed under "Other commercial tests": Altona FlexStar CT & NG PCR Detection Mix (2x), cobas CT/NG (2x), eSens Neisseria gonorrhoeae QL PCR Kit (1x), (1x), AusDiagnostics STI 16-well (1x), Genematrix NeoPlex STI-7 Detection kit (1x), NADAL PCR Analyzer (1x), BD CTGCTV2 (1x) and ECOLI eDetect CT-NG QL PCR Kit (1x).