

PCR-/NAT *C. trachomatis* & GO (RV 530) Mai 2026



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected	Probenzusammensetzung / Sample composition
530 260519 01	++ / ++	<i>Chlamydia trachomatis</i> (~ 1x10 ⁵ IFU/mL) <i>Neisseria gonorrhoeae</i> (~ 5x10 ⁵ CFU/mL)
530 260519 02	+++ / +	<i>Chlamydia trachomatis</i> (~ 5x10 ⁵ IFU/mL) <i>Neisseria gonorrhoeae</i> (~ 5x10 ⁴ CFU/mL)
530 260519 03	+++ / ∅	<i>Chlamydia trachomatis</i> (~ 1x10 ⁶ IFU/mL)
530 260519 04	∅ / ∅	<i>Escherichia coli</i> K12

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.

n = 312	Proben Nr. (Sample no.)				Inhibition			
Befund Result	01	02	03	04	01	02	03	04
Positiv	310	310	312	3	n.d.	6	6	6
Negativ	2	2	0	309	nein / no	306	306	306
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 in this table.

NAT-Methode [Code] (total number *)	NAT richtig positiv True positive results						NAT richtig negativ	
	01		02		03		04	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
REALQUALITY RQ-SevenSTI (n = 1)	1	100	1	100	1	100	1	100
AID RDB 2110 STD (n = 1)	1	100	1	100	1	100	1	100
Abbott Alinity m STI Assay (n = 21)	21	100	21	100	21	100	20	95
Abbott RealTime CT (n = 4)	4	100	4	100	4	100	4	100
Abbott RealTime CT/NG (n = 2)	2	100	2	100	2	100	2	100

Amplex eazypex 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 CTGC2 for BD MAX System (n = 2)	2	100	2	100	2	100	2	100
BD CTGCTV2 for BD MAX System (n = 21)	21	100	21	100	21	100	21	100
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 = 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 = 30)	30	100	30	100	30	100	29	97
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 = 4)	4	100	4	100	4	100	4	100
EUROIMMUN EUROArray STI CT/NG (n = 4)	4	100	4	100	4	100	4	100
GeneProof C. trachomatis (n = 6)	6	100	6	100	6	100	5	83
GeneProof CT/NG/MG Multiplex (n = 2)	2	100	2	100	2	100	2	100
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)	1	50	2	100	2	100	2	100
MIKROGEN ampliCube STD Panel 1 (n = 15)	15	100	15	100	15	100	15	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT/NG (n = 10)	10	100	10	100	10	100	10	100
cobas CT/NG (for 5800,6800,8800) (n = 70)	69	99	68	97	70	100	70	100
Sacace C. trachomatis 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 = 41)	41	100	41	100	41	100	41	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
TIB Molbiol Modular CT (n = 1)	1	100	1	100	1	100	1	100
r-Biopharm BOSCH Vivalytic STI (n = 4)	4	100	4	100	4	100	4	100
In house PCR assay (n = 5)	5	100	5	100	5	100	5	100
Other commercial tests (n = 10)	10	100	10	100	10	100	10	100

Comments:

The following tests are listed under "Other commercial tests": Altona FlexStar CT & NG PCR Detection Mix 1.5 (3x), Roche cobas CT/NG (2x), AusDiagnostics Urinogenital and Resistance 12-well (1x), Sansure Biotech C.trachomatis/U.urealyticum/N.gonorrhoeae Diagnostic Kit (1x), Vitro master diagnostica STD direct flow Chip Kit (2x) and Pluslife (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.*

<i>n</i> = 310	Proben Nr. (Sample no.)					Inhibition			
Befund Result	01	02	03	04		01	02	03	04
Positiv	310	309	5	2	n.d.	5	5	5	5
Negativ	0	1	305	308	nein / no	305	305	305	305
Fraglich Questionable	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 in this table..*

NAT-Methode [Code] (total number *)	NAT richtig positiv True positive results				NAT richtig negativ True negative results			
	01		02		03		04	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
REALQUALITY RQ-SevenSTI (n = 1)	1	100	1	100	1	100	1	100
Abbott Alinity m STI Assay (n = 21)	21	100	21	100	20	95	21	100
Abbott RealTime CT/NG (n = 4)	4	100	4	100	4	100	4	100
Abbott RealTime NG (n = 2)	2	100	2	100	2	100	2	100
AID RDB 2110 STD (n = 1)	1	100	1	100	1	100	1	100
AID RDB 2335 STI (n = 1)	1	100	1	100	1	100	1	100
Amplex eazyples 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
Bosphore STDs Panel Bundle Kit v1 (n = 1)	1	100	1	100	1	100	1	100
BD CTGCTV2 for BD MAX System (n = 2)	2	100	2	100	2	100	2	100
BD CTGC2 for BD MAX System (n = 21)	21	100	21	100	21	100	21	100
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 = 4)	4	100	4	100	3	75	4	100
Bruker-HAIN FluoroType STI (n = 2)	2	100	2	100	2	100	2	100
Cepheid Xpert CT/NG (n = 29)	29	100	29	100	28	97	28	97
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 = 4)	4	100	4	100	4	100	4	100
EUROIMMUN EUROArray STI CT/NG (n = 4)	4	100	4	100	4	100	4	100
GeneProof CT/NG/MG Multiplex (n = 2)	2	100	2	100	2	100	2	100
GeneProof N. gonorrhoeae (n = 5)	5	100	5	100	5	100	5	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 = 2)	2	100	2	100	1	50	2	100
MIKROGEN ampliCube STD Panel 1 (n = 15)	15	100	15	100	15	100	15	100
QIAGEN artus CT/NG QS-RGQ Kit (n = 1)	1	100	1	100	1	100	1	100
Roche cobas 4800 CT/NG Test (n = 10)	10	100	10	100	10	100	10	100
cobas CT/NG (for 5800,6800,8800) (n=70)	70	100	69	99	70	100	69	99
Sacace N. gonorrhoeae Real TM (n = 1)	1	100	1	100	1	100	1	100
Seegene Allplex CT/NG/MG/TV (n = 14)	14	100	14	100	13	93	14	100
Seegene Allplex STI Essential (n = 42)	42	100	42	100	42	100	42	100
Seegene Anyplex II STI-7e (n = 1)	1	100	1	100	1	100	1	100
TIB Molbiol LightMix N. gonorrhoeae (n = 3)	3	100	3	100	3	100	3	100
TIB Molbiol Modular N. gonorr. opaD (n = 1)	1	100	1	100	1	100	1	100
r-Biopharm BOSCH Vivalytic STI (n = 4)	4	100	4	100	4	100	4	100
In house PCR assay (n = 5)	5	100	5	100	5	100	5	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 1.5 (3x), Roche cobas CT/NG (2x), AusDiagnostics STI 16-well (1x), Sansure Biotech C.trachomatis/U.urealyticum/N.gonorrhoeae Diagnostic Kit (1x), Vitro master diagnostica STD direct flow Chip Kit (2x), ECOLI eSens Neisseria gonorrhoeae QL PCR kit (1x) and Pluslife (1x).