

**PCR-/NAT *Chlamydia trachomatis***  
**(RV 531) Mai 2024**



**Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.**

*Sample composition and expected results.*

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
531A 240521 01	<b>++</b>	<b>61</b>	<i>Chlamydia trachomatis</i> (~ 5x10 <sup>4</sup> IFU/mL)
531A 240521 02	<b>∅</b>	<b>62</b>	<i>Escherichia coli</i> K12
531A 240521 03	<b>++</b>	<b>61</b>	<i>Chlamydia trachomatis</i> (~ 1x10 <sup>5</sup> IFU/mL)
531A 240521 04	<b>+++</b>	<b>61</b>	<i>Chlamydia trachomatis</i> (~ 5x10 <sup>5</sup> IFU/mL)

**Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.**

*Absolute numbers of reported individual results.*

<b>n = 38</b>	<b>Proben Nr. (Sample no.)</b>				<b>Inhibition</b>				
	<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>		<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	<b>37</b>	<b>1</b>	<b>38</b>	<b>38</b>	n.d.	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Negativ</b>	<b>1</b>	<b>37</b>	<b>0</b>	<b>0</b>	nein no	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>
<b>Fraglich</b> <i>Questionable</i>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	ja yes	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern verschiedener Methoden.**

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

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>						<b>NAT richtig negativ</b>	
	<b>01</b>		<b>03</b>		<b>04</b>		<b>02</b>	
	<b>Absolut</b> <i>Absolute</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>%</b>
AID RDB 2110 STD (n = 1)	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>
Abbott RealTime CT (n = 1)	<b>0</b>	<b>0</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>0</b>	<b>0</b>
AmpliSens CT FRT PCR Kit (n = 2)	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>
BD ProbeTec (n = 2)	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>
Bruker-HAIN FluoroType CT (n = 5)	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>
Cepheid Xpert CT (n = 1)	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>
GeneProof C. trachomatis (n = 6)	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>
Qiagen NeuMoDx CT/NG (n = 1)	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>

Roche Cobas 4800 NG (n = 1)	1	100	1	100	1	100	1	100
Cobas 5800, 6800, 8800 CT (n = 2)	2	100	2	100	2	100	2	100
Sacace C. trachomatis Real TM (n = 1)	1	100	1	100	1	100	1	100
Seegene Allplex CT/NG/MG/TV (n = 2)	2	100	2	100	2	100	2	100
Seegene Allplex STI Essential (n = 2)	2	100	2	100	2	100	2	100
LightMix CT (n = 5)	5	100	5	100	5	100	5	100
Aprimeo/BOSCH Vivalytic STI (n = 1)	1	100	1	100	1	100	1	100
In house PCR assay (n = 2)	2	100	2	100	2	100	2	100
Other commercial tests (n = 3)	3	100	3	100	3	100	3	100

**Comments:**

1. The following tests are listed under "Other commercial tests": BIORON diagnostics RealLine C. trachomatis (1x), Clonit C. trachomatis (1x) and Primer design/Ingenetix (1x).