

Interesting CT/NG facts

Annually there are 357 million new cases of the top 4 curable STI's. 131 million of these cases are **Chlamydia trachomatis** and 87 million cases are **Neisseria gonorrhoeae**.

Neisseria gonorrhoeae is one of the three STI's by the WHO for strategic global focus. This because of rising antibacterial resistant and co-infection with **Chlamydia trachomatis**

Clinical STI management is costed for an overall US\$ 3000 million, of which US\$ 1400 million is used for diagnostic testing for **Neisseria gonorrhoeae** and **Chlamydia trachomatis**.

The Presto 500 CT/NG assay

Benefits

Low dead volume

With the unique Presto 500 CT/NG kit you're only losing reagents because of dead volume at the very beginning. With the incredible amount of tests in one kit you have a reduction of dead volume up to 80%!

Ready to use master mix

Primers, probes, buffers, reagents and Taq polymerase, it's already there, ready for use in the master mix. No time consuming handling and no spoiling of the excess freshly made master mix anymore.

Home brew pricing

The Presto 500 CT/NG kit is as cost effective as your home brew version. Give us a call and we'll explain you why!

High accuracy

With a sensitivity and specificity of 100% and 99,8%.

Detection of double infections

Because of the use of the so called selectors which are in the kit, double infections will be detected as well. Ask us everything about this unique feature.



Specifications

- Sensitivity 100%/ Specificity 99,8% (urine; publication 2013)
- Detection of ALL CT serovars (including Swedish and Scottish variants)
- Highly specific NG detection
- CE-IVD

PRODUCT	APPLICATION	CONTENT	ORDER NO.
PRESTO 100	CT/NG all clinical samples	100 reactions	CG 160100
PRESTO 500	CT/NG, all clinical samples	500 reactions	CG 160500
PRESTO TV	TV, all clinical samples	200 reactions	CG 170200

Components of the Presto 500 CT/NG



Selectors

1 violet tube labelled "CT SELECTOR" and 1 yellow tube labelled "NG SELECTOR" The introduction of selectors introduces a new concept in real time detection of double infections. The kit provides a CT as well as a NG selector. These selectors are meant to select for either CT or NG in a clinical sample highly positive (IAC negative) for NG or CT preventing the risk of a false negative double infection. The use of selectors is advised when a sample is positive for CT or NG. The function of the selector will restore the IAC signal so that even weak positive CT or NG signals can be detected in the presence of high loads of NG or CT



Controls

The Presto 500 has 4 different controls

- Positive NG control

4 tubes with a green colour code, labelled "Positive Control NG" containing 55 µl positive control. The positive control consists of NG DNA at 100 CFU/ 10 µl.

- Positive CT control

4 tubes with a blue colour code, labelled "Positive Control CT" containing 55 µl positive control. The positive control consists of CT DNA at 4 IFU/ 10 µl.

- Negative control

2 tubes with a transparent colour code, labelled "Negative Control" containing 500 µl negative control.

- Isolation Amplification control

4 tubes with a red colour code, labelled "Isolation Amplification Control" containing 150 µl Isolation Amplification Control. The Isolation Amplification Control consists of an inactivated *E. coli* modified with a genomic DNA fragment containing primer binding sites identical to the *C. trachomatis* and *N. gonorrhoeae* sequences, but with a different intermediate probe sequence.



Master mix

4 tubes with a black colour code, labelled "MASTER MIX" containing 400 µl ready to use PCR mix. This mixture contains four primers for amplification of the CT DNA, NG DNA and the Isolation Amplification Control DNA. It contains three fluorescent probes for detection of CT DNA, NG DNA and control DNA respectively. The master mix contains all ingredients for PCR amplification including Taq polymerase.