

Specimens: Secretion
Version: 02
Effective Date: 2022-05

CE 0123

For professional in vitro diagnostic use only

Gonorrhea+Chlamydia Antigen Combo Test Cassette is a lateral flow immunoassay for the qualitative detection antigen of chlamydia and Gonorrhea in clinical specimens without other supporting instruments. It is used as an auxiliary diagnosis of clinical chlamydia and Gonorrhea. It is for in vitro diagnostic use only.

As one of the most common sexually transmitted diseases, Gonorrhoea is caused by its pathogen is *Neisseria Gonorrhoea*. Human body is sole host of *N. Gonorrhoea* which usually adheres to columnar epithelial cells of mucosal surface. Pathogenic materials of *N. Gonorrhoea* mainly contain flagella, membrane protein, protease, lipopolysaccharide, etc, which directly infect urogenital tract, oropharynx and rectal mucosa during sexual intercourse or newborn baby through birth canal to cause simple gonorrhoea, pelvic inflammatory disease, oropharyngeal and anorectal disease, gonococcal conjunctivitis and disseminated gonorrhoea in clinical manifestation. Therefore, it is very important for early diagnosis and treatment of *N. Gonorrhoea*.

KIT COMPONENTS

COMPONENTS	DETAIL	NUMBER
Individual packed combo test devices	Each device contains strip with colored conjugates and reactive reagents precoated at the corresponding position.	1/20 pcs
Buffer A	Main Ingedients: NaCl, NaOH, and purified water	1/7 ml
Buffer B	Main Ingredients: BSA, sodium Azide, and purified water	1/7 ml
Plastic Extraction Tube	For specimens preparation use	1/20 pcs
Disposable sterile swab	Disposable sterile swabs is used for specimen collection, which is CE certified	1/20 pcs
Package Insert	For operation instruction	1 pc

- Read the entire procedure carefully prior to testing. Bring tests, specimen and buffer to room temperature (15-30°C) before use.
- Do not open the foil pouch until ready to perform the test.

- NOTE:** The intensity of the color in test region (T) may vary depending on the concentration of aimed substances present in the specimen. But in the valid time, even the color band is very week, the result should be regarded as positive.

1. Read the entire procedure carefully prior to testing, incorrect performance may lead to incorrect results.
2. The Test Kit is for professional in vitro diagnostic use, and should only be used for the qualitative detection of Chlamydia trachomatis and Neisseria Gonorrhea antigens.
3. As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test, but should only be confirmed by the physician after all clinical and laboratory findings have been evaluated.
4. This kit is intended for an aid in the diagnosis of Chlamydia trachomatis and Neisseria Gonorrhea infection.
5. Only Dacron or Polyester swab can be used to collect endocervical samples, and the kit has Dacron swabs.

PERFORMANCE CHARACTERISTICS

1. 1025 cases were detected simultaneously with the Encode Chlamydia trachomatis antigen test kit and the same kind of product by blind method. The results were as follows.

		Contrast agents		
		positive	negative	total
Encode	positive	201	34	235
	negative	15	775	790
total		216	809	1025
Positive coincidence rate		93.1%		
Negative coincidence rate		95.8%		

2. 1000 cases were detected simultaneously with the Encode Neisseria Gonorrhea antigen test kit and the same kind of product by blind method. The results were as follows.

		Contrast agents		
		positive	negative	total
Encode	positive	219	6	255
	negative	10	765	775
total		229	771	1000
Positive coincidence rate		95.6%		
Negative coincidence rate		99.2%		

3. Analytical Sensitivity :

	Analytical Sensitivity	Type	Source
Chlamydia	2x10³ IFU/ml	Inclusion body antigen	maxmed laboratories.inc
Gonorrhea	3x10⁴ CFU/ml	ATCC 19424	GDMCC

4. Analytical Specificity: Compared with difference kinds infection factors and the test result are negative.

		Concentration	Source
Candida albicans	ATCC1023	6*10⁹CFU/ml	GDMCC
Candida tropicali	ATCC20005	6*10⁹CFU/ml	
Candida near smooth	ATCC20221	6*10⁹CFU/ml	
Streptococcus fae cium	ATCC29212	6*10⁹CFU/ml	
Proteus mirabilis	CMCC49005	6*10⁹CFU/ml	
Staphylococcus a ureus	ATCC6538	6*10⁹CFU/ml	
Escherichia coli	ATCC8739	6*10⁹CFU/ml	
Pseudomonas aeruginosa	ATCC9027	6*10⁹CFU/ml	
mycoplasma hominis	ATCC23114	1×10⁴CCU/ml	Zhuhai Skin Disease Prevention and Control Institute
Ureaplasma urealyticum	ATCC2781	1×10⁴CCU/ml	

5. Interference: After testing, the following interferences have no effect on the results. 50µl/ml whole blood, 5mg/ml mucoprotein, 50µl/ml urine, 5mg/ml nystatin, 5mg/ml

miconazole, 5mg/ml tinidazole, 5mg/ml metronidazole (gels), 50µl/ml Jieeryin (lotion), 50µl/ml Fuyinjie(lotion).
6. Intra-batch Discrepancy: The test results are the same in one batch.
7. Inter-batch Discrepancy: The test results are the same in different batch.
8. Hook effect: No high dose hook effect was observed when tested with up to a concentration of 2.0×108 ifu/ml chlamydia positive reference, and 30×108 cfu/ml gonorrhea positive reference.














PRECAUTIONS

- For disposable use only.
- For professional in vitro diagnostic use only.
- The specimen dilution buffer contains sodium azide which may react with lead or copper plumbing to form potentially explosive metal azides. Do not drink or smell it.
- Do not use the devices when the package is damaged.
- Do not use the swab when the package is damaged.
- Do not interchange or mix reagents from different lots.
- Do not use after the expiration date indicated on the package.
- Do not touch membrane before performance.
- After the test procedure is completed, dispose of the test kit,tube and swab according to local regulations.
- Buffer A:Causes severe skin burns and eye damage.
- Buffer B:Fatal if swallowed.Very toxic to aquatic life.Contact with acids liberates very toxic gas.
- The kit shall be stored in strict accordance with the conditions specified in this manual. Please do not store the kit under freezing conditions.


LITERATURE REFERENCES

1. Beggs M,Novotny M, Sampedro S,et al.A self-performing Chromatographic immunoassay for the qualitative determination of human chorionic gonadotrophic (HCG) in urine and serum ClinChem ,1990,36:1084
2. Valkirs G.E,Barton R, immunoconcentration A new format for solid- phase immunoassay Clinchem .,1985 31:1427
3. Knapp,J.S et al. Neisseria Gonorrhea, Manual of Clinical Microbiology, Sixth Edition, ASM press, Washington DC.,324-325(1995)
4. Centers for Disease Control and Prevention, Sexually Transmitted Diseases Treatment Guidelines 2002 Morbidity and Mortality Weekly Report(2002),51(rr-6)
5. Chlamydia trachomatis infection & female infertility Abida Malik, S.Jain. S.Hakim, I Shukla& M.Rizvi Indian J Med Res 123,June 2006,pp 770- 775.
6. Chlamydia trachomatis antibody titres by enzyme-linked immunosorbent assay are useful in predicting severity of adnexal adhesion M.Tanikawa. T.Harada,C. Katagiri. Y.Onohara,S.Yoshida and N.Terakawa Human Reproduction Vol 11 no 11 pp 2418-2421.1996.

GLOSSARY OF SYMBOLS

	Catalog number		Temperature limitation
	Consult instructions for use		Batch code
	In vitro diagnostic medical device		Use by
	Manufacturer		Contains sufficient for <n> tests
	Do not reuse		Guard against damp
	Keep out of the direct sun		Authorized representative in the European Community
	CE marked according to IVD Medical Devices Directive 98/79/EC		

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