

SEXUALLY TRANSMITTED DISEASES

MOLECULAR DIAGNOSTICS



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HYBRIDIZATION ON STRIP

GENERAL PROCEDURE

DNA sample extraction

Polymerase Chain Reaction (PCR)

Hybridization protocol

Manual Procedure

PST-60HL (Biosan)

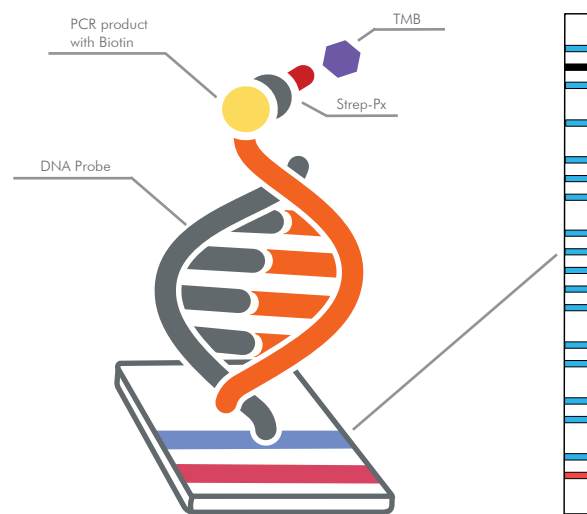
Automatic Procedure

Profiblot T30 (Tecan)
Profiblot T48 (Tecan)
Autoblot 3000H (medTEC)
Tendigo (Fujirebio)
DynaHeat (Dy nex)

Visual/Automatic reading

BioScitec R2 or S1 scanner

MJ Mini Gradient Thermal Cycler (BioRad)
Mastercycler Personal (Eppendorf)
S1000 Thermal Cycler (BioRad)
2720 Thermal Cycler (Applied Biosystems)



HIGHLIGHTS



All the reagents are ready to use.



Kits include all the PCR and hybridization reagents, even the Taq Polymerase.



Internal controls of amplification and hybridization included.



2-8 °C transport and storage.



Scanner reading available.



The hybridization procedure can be performed both manual or automatically.



18 months of shelf-life.



High sensitivity and specificity.



Same hybridization protocol for all the products.



CE IVD marked.



Many different types of validated samples.



Up to 24 lines in the same strip.

SEXUALLY TRANSMITTED DISEASES

STD PANEL STRIP

Test for the detection of 11 pathogens associated to sexually transmitted diseases

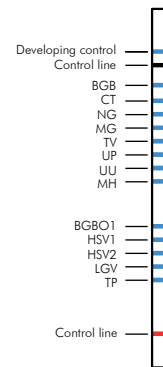
Sexually transmitted diseases (STDs) make up the most common group of infectious diseases that must be reported in the majority of countries. The current permanent trend of increasing STDs, especially among young people under 25, makes their early and accurate diagnosis of great interest.

STD Panel Strip is a test based on the reverse blot technique designed for the detection of 11 pathogens associated to STDs: *Chlamydia trachomatis* (discriminating variants L1, L2 and L3, that cause *lymphogranuloma venereum*), *Neisseria gonorrhoeae*, *Mycoplasma genitalium*, *Trichomonas vaginalis*, *Ureaplasma parvum*, *Ureaplasma urealyticum*, *Mycoplasma hominis*, *Herpes simplex 1*, *Herpes simplex 2* and *Treponema pallidum*.

Highlights

- 11** Detects 10+1 pathogens in one assay.
- Detection of co-infections.
- Many different types of validated samples (urethral, endocervical, rectal and vaginal smears urine).

Results



HIGH / HIGH+LOW PAPILOMASTRIP

Tests for the genotyping of 19 anogenital high-risk and/or 18 low-risk HPVs

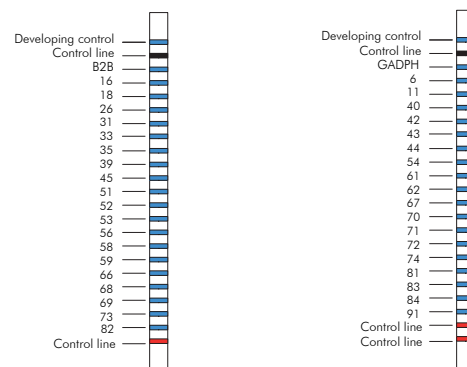
Human *Papillomavirus* (HPV) is responsible for a variety of skin and mucosa disorders. To date, over 100 different HPV genotypes have been described, of which more than 40 infect the anogenital tract. Of these, approximately 1/3 are associated with cervical cancer and anal neoplasm. The anogenital HPVs are generally divided into those with low oncogenic potential (Low-Risk) and those with a medium-high oncogenic potential risk (High-Risk).

H+L PapillomaStrip is a test based on the reverse blot technique designed for the detection of 19 human *Papillomavirus* subtypes of medium-high risk and 18 subtypes of low risk, using specific primers for E6-E7 regions, genes which expression is directly associated with carcinogenesis.

Highlights

- 37** Detects 37 types of HPV in 1 test.
- Detection of E6/E7 regions: related to carcinogenesis, highly conserved.
- Detection of co-infections.
- Validated samples: cervico-uterine smears, penis swabs, urine.

Results



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