

CervScan® Screening Test for Cervical Pre-cancer and Cancer

An immunochromatographic assay for qualitative presumptive detection of HPV 16/18 antigen in female cervical swab specimens



Innovative diagnostic method for cervical pre-cancer and cancer screening

Background: HPV infection is a cause of nearly all cases of cervical cancer; however, most infections with these types do not cause disease. More than 150 types of HPV are acknowledged to exist. Of these, 15 are classified as high-risk types (16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68, 73, and 82), 3 as probable high-risk (26, 53, and 66), and 12 as low-risk (6, 11, 40, 42, 43, 44, 54, 61, 70, 72, 81, and CP6108). Types 16 and 18 are generally acknowledged to cause about 70% of cervical cancer cases.

The importance of POCT for cervical cancer screening

1. This process of infection to invasive cervical cancer usually takes 15–20 years, providing many opportunities for detection and treatment if the infection persists in 5% to 10% of infected women. Invasive cancer can be almost always prevented when standard prevention strategies are applied.
2. Many more women die of cervical cancer in the developing world than in wealthier countries. In the industrialized world, effective screening programmes help to identify pre-cancerous lesions at stages so they can easily be treated. Therefore, an easy-performed, non-expensive and rapid test for the screening of cervical cancer is urgent for developing countries.

Why CervScan® Screening Test yields higher accuracy in cervical cancer screening?

Most HPV infections in young females are temporary and have little long-term significance. In 90% of cases, the body's immune system clears HPV naturally within two years. However, oncogenic functions were initiated by high level of E6 & E7 gene expression in proliferating basal cells. The E6 & E7 genes are consistently expressed in cancer cell for maintaining the neoplastic growth. CervScan® Screening Test mainly detect the E6 & E7 oncoproteins of HPV 16/18 to help the doctor to further confirm the condition by ruling out some HPV DNA-positive patients who possibly don't have cervical cancer.

The Strong Step® Screening Test for Cervical Pre-cancer and Cancer boasts of the strength of more sensitive than traditional Pap smear testing and more specific than DNA-based methods in cervical pre-cancer and cancer screening.

Cat.	Product	Detection	Specimen
500140	Screening Test for Cervical Pre-cancer and Cancer	HPV 16/18 antigen	Cervical swab