

Patient Name	: Mr MR.DUMMY	Sample Collected	: Apr 26, 2024, 01:00 PM.
DOB/Age/Gender	: 23 Y/Male	Report Date	: May 07, 2024,06:25 PM.
Patient ID / UHID	: 8053163/RCL7249745	Barcode No	: MD072139
Referred By	: Dr. X	Report Status	: Final Report
Sample Type	: CERVICAL BRUSHINGS		

**Human Papillomavirus (HPV) DNA Detector**

Test Name	Results	Units	Bio. Ref. Interval
Human Papillomavirus (HPV) DNA Detector	Not Detected	-	Not Detected

**INTERPRETATION :**

Results	Remarks
Detected	Sample provided contains HPV DNA of specific genotype.
Not detected	Sample provided does not contain HPV DNA or number of viral DNA copies are below the detection limit of the assay
Indeterminate	Presence of inhibitors in the sample

**METHOD:** DNA Sequencing

**BIOLOGICAL REFERENCE RANGE:** Not Detected

**INTENDED USE:**

This test is intended for the detection and genotyping of the high risk and low risk HPV types in clinical specimens through DNA sequencing method.

**CLINICAL UTILITY :**

Human papillomavirus (HPV) is a small, non-enveloped, double-stranded DNA virus belonging to the Papillomaviridae family. Currently, more than 200 HPV types are described and approximately 40 HPV types can infect the epithelial layer in the anogenital region and the other mucosal surfaces of the body.

High-risk HPV types are associated with cervical intraepithelial neoplasia (CIN) 2/3 and invasive cervical carcinomas and include types 16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, and 68. Low-risk HPV types are associated with genital warts and LSIL and includes HPV types 6, 11,42, 43, and 44.

The most common sexually transmitted infection in the world is human papillomavirus (HPV). HPV types 16 and 18 are responsible for 60-80% of cervical cancers and precancerous cervical lesions worldwide.

**LIMITATIONS OF TEST:**

PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen and inherent PCR inhibitors in the sample.

An "Not Detected" HPV genotype result does not rule-out active HPV infection. The detection limit of the assay is ~150 IU/mL.

The test results must be interpreted within the context of all relevant clinical and laboratory findings.

**REFERENCE:**

1. Ayfer Bakir et al.; Evaluation of Human Papillomavirus Genotype Distribution in Cervical Samples; J Cytol. 2021 Jan-Mar; 38(1): 44–49.
2. Marc Arbyn et al.; Estimates of incidence and mortality of cervical cancer in 2018: a worldwide analysis; Lancet Glob Health 2020; 8: e191–203

\*\*\* End Of Report \*\*\*



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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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**Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.**

**Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.**