

IntelliPlex™ HPV Genotyping Kit

The IntelliPlex HPV Genotyping Kit is a multiplex hybridization assay that detects and identifies PCR-amplified human papillomavirus (HPV) DNA in cervical specimens. Infection of certain HPV types can lead to precancerous lesions or invasive cancers if untreated, making early detection and treatment of HPV infections crucial. With our π Code MicroDisc technology, the kit can detect 14 HPV genotypes simultaneously.

Genotypes

14 High-risk genotypes:

16, 18, 31, 33, 35, 39, 45, 51, 52, 56,
58, 59, 66, 68

Specimen Types

Cervical swab

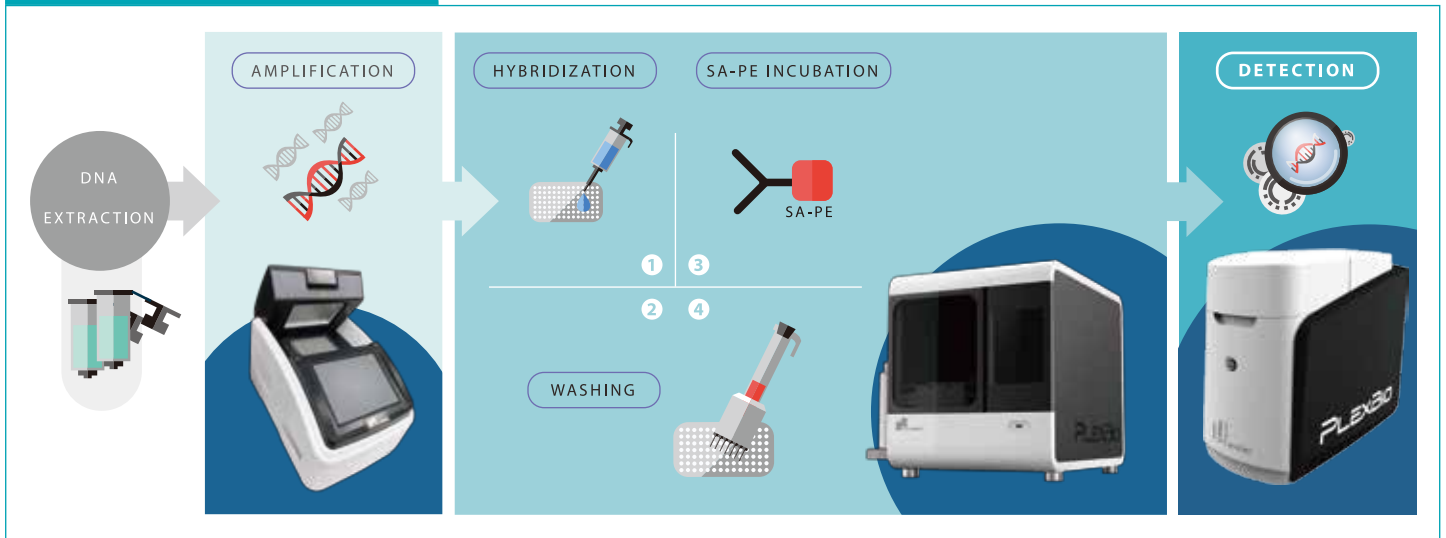
Product Highlights

- Identifying 14 types of HPV using only ONE well.
- Sensitivity up to 10-257 copies with high accuracy
- Low sample input
- < 6 hrs turnaround time (sample preparation included)

Instrumentations

- DigiPlex™ Thermocycler
- IntelliPlex™ 1000 π Code Processor
- PlexBio™ 100 Fluorescent Analyzer

ASSAY WORK FLOW

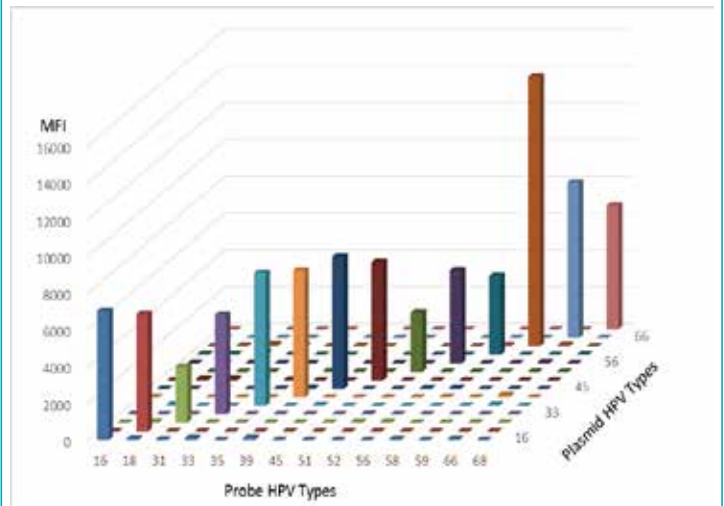


Limit of Detection

The LoDs shown as table displayed below were determined based on a positive hit rate at 95% in PriProbit analysis.

HPV Type	Limit of Detection (copies/rxn)	HPV Type	Limit of Detection (copies/rxn)
16	10	51	22
18	10	52	105
31	73	56	257
33	113	58	30
35	62	59	19
39	46	66	41
45	26	68	121

Specificity



The result of specificity as shown indicates each conjugated probe corresponding to each specific HPV genotype.

Order Information

Category	Product Name	Package Size	Cat. no
Assay Kit	IntelliPlex™ HPV Genotyping Kit	96 rxns	82018

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