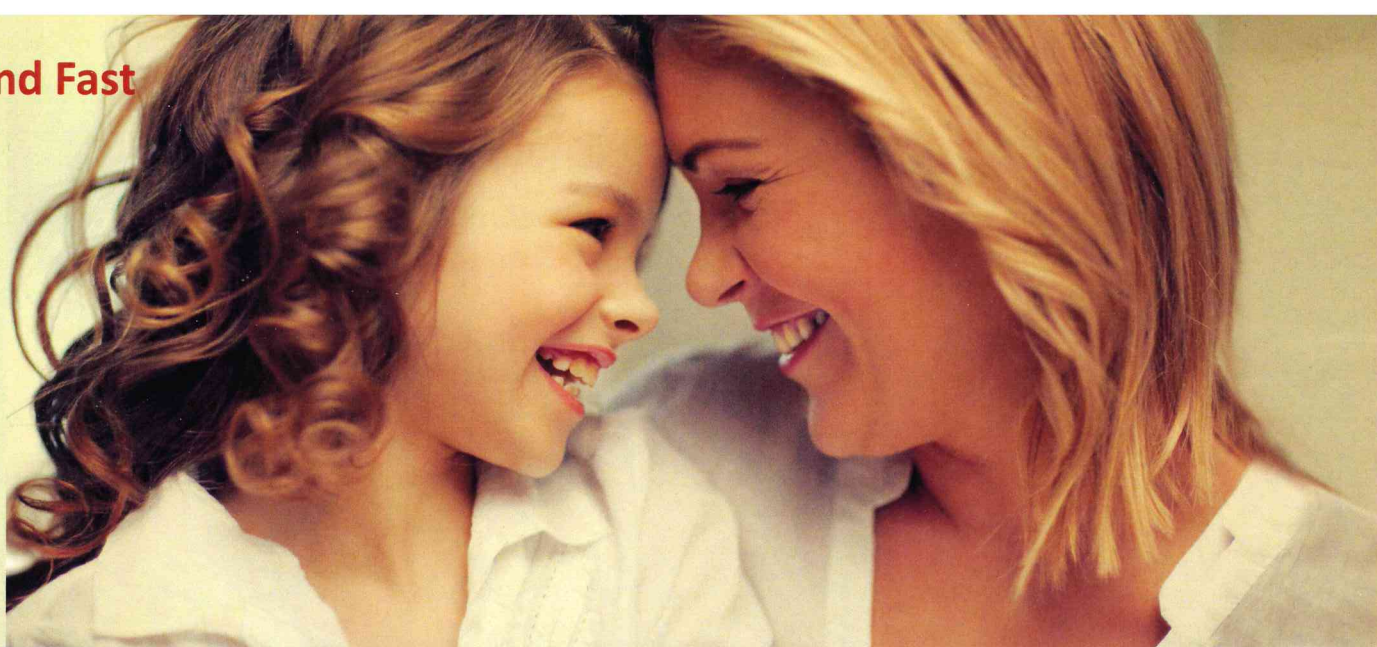


Easy and Fast



Omniplex-HPV

HPV 40 Genotyping

Multiplex Liquid Bead Microarray based HPV Genotyping

Omniplex™- HPV 40 genotyping kit can identify 40 genotypes including 15 high-risk HPVs, 4 probable high-risk HPVs and 21 low-risk HPVs powered by Genematrix' proprietary multiplex PCR and Luminex' bead technologies. The kit possesses lots of advantages, encompassing all-round typing in single reaction, non-washing step after hybridization and convenient result analysis with Omniplex™ software.

Features

- **One-Tube PCR Reaction**
 - by GeneMatrix' Proprietary Multiplex PCR EnCleaP™ Technology
 - Simultaneous genotyping of 40 HPV genotypes
- **High Specificity & High Sensitivity**
 - LOD < 11.9 ~ 95.6 copies/assay
 - Clinical Sensitivity 97.41%, Clinical Specificity 99.98% ($\kappa = 0.94$)
 - Reproducibility >95%
- **Easy to Use**
 - by Omniplex™ Viewer Software
 - UDG System to prevent carry-over contamination
- **Fast Turnaround Time (TAT)**
 - 5-hr Analysis & Half-day Report

High-risk HPV (15 types)	16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68, 73, 82
Probable high-risk HPV (4 types)	26, 53, 66, 69
Low-risk HPV (21 types)	6, 11, 32, 40, 42, 43, 44, 54, 55, 61, 62, 67, 70, 72, 81, 83, 30, 71, 74, 84, 87

Workflow

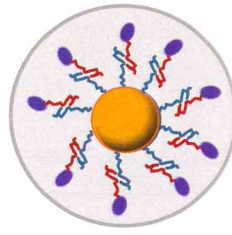
Enabling Reproducible, User friendly and High Throughput Analysis

Step 1 (3 hr)
One - Step PCR



Add 1-96 DNA samples to pre-made master mix

Step 2 (1 hr)
Hybridization



Type specific beads hybridize with the complementary target HPV sequences

Step 3 (1 hr)
MAGPIX Read



Automatic High-throughput Analysis by Luminex MAGPIX®

Easy and Fast

OmniPlex Viewer

Location	Sample	HPV 56	HPV 16	HPV 42	HPV 66	HPV 45	HPV 51
1(1.A1)	Sample 1	10	3484	10	10	10	10
2(1.B1)	Sample 2	12	11	11	11	11	11.5
3(1.C1)	Sample 3	11	10	11	10	11	11
4(1.D1)	Sample 4	11	12	11	10	11	10
5(1.E1)	Sample 5	11	11	11	10	12	10
6(1.F1)	Sample 6	12	15	11	11	11	11
7(1.G1)	Sample 7	13	17	12	11	2805	11
8(1.H1)	Sample 8	11	11	11	11	3710	
9(1.A2)	Sample 9	12	17	11	11	12	11
10(1.B2)	Sample 10	947.5	15	10	10	11	10
11(1.C2)	Sample 11	10	10	10	10	10	9
12(1.D2)	Sample 12	14	13	13	17	13	13
13(1.E2)	Sample 13	11	11.5	11	10	11	10
14(1.F2)	Sample 14	11	11	11	10	11	11
15(1.G2)	Sample 15	12	18	11	11	11	11
16(1.H2)	Sample 16	12	11	12	11	12	12
17(1.A3)	Sample 17	11	10	11	10	11	11
18(1.B3)	Sample 18	11	10	11	10	11	10

Build v1.830 Report by Excel Clear list Exit



Report Generation by OmniPlex™ Viewer

- HPV genotype interpretation is automatically done by OmniPlex™ Viewer.
- Raw data and summary results are displayed at window panels, simultaneously.

Compatible Instruments

- Perkin Elmer - Chemagen Auto Extraction
- Qiagen QIAcube Auto Extraction
- Bio-Rad - C1000 Thermal Cycler
- Takara - TP650 Thermal Cycler
- AB - Veriti Thermal Cycler

Specimens

- Cervical swab specimen
- Liquid - based cytology specimen Thinprep®

Proprietary Technologies

- TriO® Multiplex PCR
- EnClear® Multiplex PCR
- OmniPlex™ Viewer

Ordering information

Cat. No.	Product	Description	TAT	Size
GM 3300	OmniPlex-HPV	40 HPV genotypes Identification	Half-Day	96 Tests / Kit

For more information visit

GeneMatrix Inc.

Our website at www.genematrix.net or call us at +82-31-628-2020,

email to info@genematrix.net

8F, #B, Korea Bio Park, 694-1, Sampyeong-dong, Bundang-gu,

Seongnam-si, Gyeonggi, 463-400 Korea

Dedicated training for OmniPlex™-HPV available on request

