

Human Papillomavirus (HPV) Reference Standards



Cover full genome of various high and low-risk HPV genotypes with human genome background and accurately quantified HPV genome copy numbers



GeneWell HPV standards are derived from human cell lines transfected by whole genome of HPV. The series of products covers most HPV high and low-risk genotypes. The products can be used for internal quality control and performance evaluation of HPV genotyping and nucleic acid detection kits.

Key Features



Full genome of HPV
Good compatibility
with testing kits



HPV integrated human
cell lines to mimic
clinical samples



Digital PCR quantified
HPV genome copy number



Convenient gDNA solution
format for transportation
and storage

Application



Analysis the sensitivity and specificity of your assay



Evaluate the performance of HPV genotyping and nucleic acid detection kits



Optimize and validate HPV DNA genotyping test workflow and routinely monitor your result

Technical Advantages



Comprehensive and continuously expanding HPV genotypes, covering all the cervical cancer-related genotypes proposed by WHO.



HPV genome copy number quantification can be traced back to WHO International Standards for human papillomavirus DNA genotypes.

Fast-track Product List

| Product Code | Product Name | Concentration | Specification |
|--------------|-------------------------------|-----------------------------|---------------|
| IB-GW-IPF001 | HPV16 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF002 | HPV18 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF003 | HPV26 gDNA Reference Standard | 3*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF004 | HPV31 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF005 | HPV33 gDNA Reference Standard | 3*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF006 | HPV35 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF007 | HPV43 gDNA Reference Standard | 3*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF008 | HPV44 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF009 | HPV45 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF010 | HPV52 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF011 | HPV58 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF012 | HPV59 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF013 | HPV66 gDNA Reference Standard | 2*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF014 | HPV68 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF015 | HPV73 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF016 | HPV82 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF017 | HPV11 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF018 | HPV53 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF019 | HPV81 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF020 | HPV6 gDNA Reference Standard | 1*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF021 | HPV39 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF022 | HPV42 gDNA Reference Standard | 1*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF023 | HPV51 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF024 | HPV56 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |
| IB-GW-IPF025 | HPV83 gDNA Reference Standard | 4*10 ⁷ copies/mL | 100 µL/tube |

Note:

- 1) The concentration is a reference value obtained through digital PCR detection and statistical calculation.
- 2) Please refer to COA for the concentration of each batch, which is not a fixed value.

More HPV reference materials available. Please contact us for further information.



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GW-MKT202406IBIPF-1.v2



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