1. The testing protocol of samples by TRUPCR® HPV High-Risk Genotyping Kit

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| Urine and vaginal samples on receipt were stored at -700C DNA extracted from samples (stored at -200C) which is then amplified using Real-Time Amplification and detected using fluorescent reporter dye probes specific for high-risk HPV 14 Genotypes (16/18/31/33/35/39/45/51/52/56/58/59/66 and 68)A fluorescent signal generated from the presence of an oligonucleotide probe specific for the target DNA sequenceThe probe hybridizes with one of the chains of the amplified Fragment and during synthesis of a complementary chain, Taq DNA polymerase which possesses 5' - 3' exonuclease activity cleaves the probeAs a result, the fluorescent dye and quencher dye are separated, and the total fluorescence of reaction volume increases in direct proportion to the number of amplicon copies synthesized during PCRThe threshold cycle is proportional to the initial number of DNA copies in a sample and its value allows qualitative comparisons of analyzed and controlled samplesThe results are interpreted in reference to the Kit insert provided*Legend: Sensitivity; TRUPCR® HPV High-Risk Genotyping Kit demonstrated the ability to reproducibly detect the presence of HPV at the level of 100 IU/ml.* |