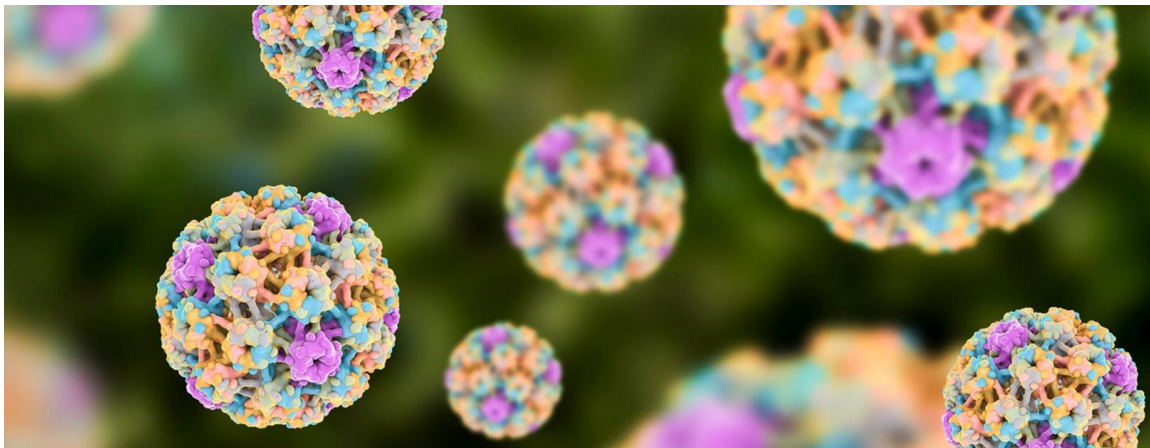


## TRUPCR® HPV 16 & 18 Detection Kit

### NEED

Human Papillomaviruses (HPV) infections are among the most common sexually transmitted infections. Persistent infection with human papillomavirus (HPV) is the principal cause of cervical cancer. The presence of HPV has been implicated in more than 99% of cervical cancers worldwide, including both cervical squamous cell carcinoma and cervical adenocarcinoma. In 2018, an estimated 570,000 women were diagnosed with cervical cancer worldwide and about 311,000 deaths were reported due to this disease. HPV High Risk testing in cervical cancer screening offers a high degree of certainty.

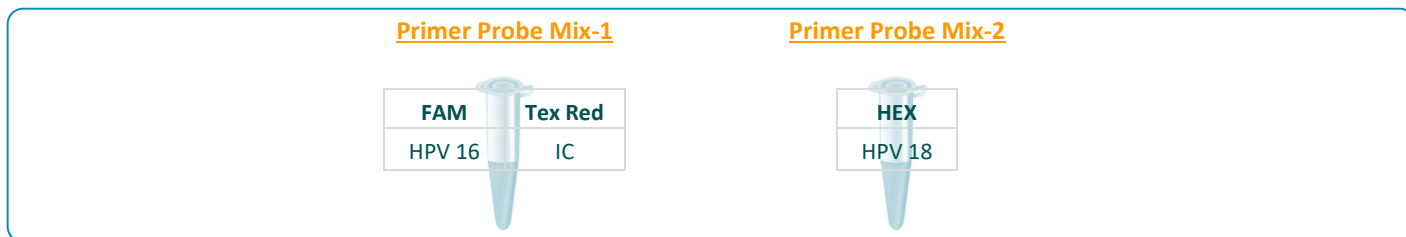


### SOLUTION BY TRUPCR®

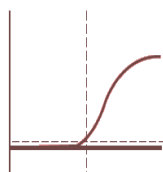
TRUPCR® HPV 16 & 18 Kit is a Real-Time PCR kit based assay for the qualitative detection of HPV 16 & 18 in clinical specimens. This kit is based on the amplification of the conserved region by primer and probes specific for HPV 16 & 18.

In this kit there are three independent reactions running in parallel in two tube: the first tube detects HPV 16 (FAM channel), and Internal Control (IC) DNA (Texas Red) which allows excluding unreliable results and second tube detects HPV 18 (HEX channel).

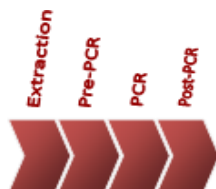
### TARGET GENOTYPES



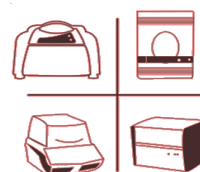
### KEY FEATURES



Endogenous Internal Control incorporated within the kit to ensure reliable results



Complete workflow solution available from Extraction of sample to Post-PCR analysis



Platform agnostic as compatible with various platforms



Rapid and reliable results within 90-100 minutes after PCR Start



### TECHNICAL SPECIFICATIONS

- Sample Type – Cervical Swab Specimen, Urine Specimen, FFPE Sample
- Clinical Validation – Validated on more than 1000 clinical samples
- Target Regions – E6/E7 region of the HPV HR Genome
- Reaction Volume – 30 µl in each tube
- LOD Data: 10 IU/ml
- Compatible Instruments – Applied Biosystems™ 7500 series, Applied Biosystems™ StepOne series, Applied Biosystems™ QuantStudio® series, Rotor-Gene Q, Bio-Rad CFX96, Roche - LightCycler® 480 – II

### CLINICAL DATA

		Reference Method		
		Positive	Negative	Total
TRUPCR Method	Positive	132	1	133
	Negative	1	126	127
Total		133	127	260

Parameters	Estimate
Sensitivity	99.25%
Specificity	99.21%
Positive Predictive Value	99.25%
Negative Predictive Value	99.21%



### ORDERING INFORMATION

Cat. No.	Description	Size
3B1276	TRUPCR® HPV 16 & 18 Detection Kit	48 Reactions
3B1277	TRUPCR® HPV 16 & 18 Detection Kit	96 Reactions

### PUBLICATIONS

1. Comparison of treatment response in cervical carcinoma patients infected with human papillomavirus 16 and human papillomavirus 18 who are treated with chemoradiation (<https://www.cancerjournal.net/preprintarticle.asp?id=286538>)
2. Role of HPV DNA Testing and its influence on clinical outcomes in Cervical Cancer. ([https://www.postersessiononline.eu/173580348\\_eu/congressos/ESTRO38/aula/-EP\\_1486\\_ESTRO38.pdf](https://www.postersessiononline.eu/173580348_eu/congressos/ESTRO38/aula/-EP_1486_ESTRO38.pdf))