



### **Quality Assessment Products (QAPs)**

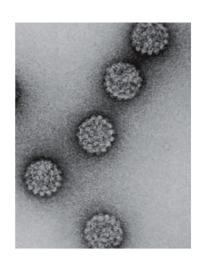
**hrHPV** type 16, 18, 31, 33, 39, 45 and **HPV** type 67 Positive Samples

#### **Overview:**

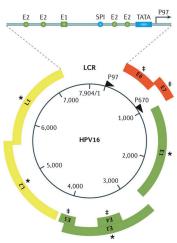
- Non-enveloped DNA virus with genome size approximately 8 kb. HPV viral genes labelled as E1-7 and L1/2 ORF.
- hr (high-risk) HPV types 16, 18 (70%) and 45 (5%) are responsible for 75% of all HPV related cancers.

### **Classification:**

- Alpha group of HPV shares 60 70% of L1 ORF.
   HPV types within the group have less than 10% difference in L1 ORF.
- The IARC (International Agency for Research on Cancer) has divided the Alpha HPV types as IARC Group 1, 2A and 2B based on their carcinogenicity. IARC Groups 1 / 2A are responsible for 96% of the HPV related cancers.







Nature Reviews | Disease Primers

a-Papillomaviru	Alpha-5	26	51	69	82					
	Alpha-6	30	53	56	66					
	Alpha-7	<u>18</u>	<u>39</u>	<u>45</u>	59	68	70	85	97	PROCEED
	Alpha-9	<u>16</u>	<u>31</u>	<u>33</u>	35	52	58	<u>67</u>		PROCEED
	Alpha-11	34	73	177						

#### LEGEND:

IARC group 2A, possibly carcinogenic
IARC group 1, carcinogenic
IARC group 2B, probably carcinogenic

# PROCEEDx HPV Positive samples are designed to meet the full needs of the modern molecular diagnostic industry.

### **Advantages:**

- Contain natural HPV types and human cells.
- 100% clinical sample equivalence.
- Prepared in HOLOGIC® ThinPrep® PreservCyt® STM.
- Inactivated to meet Clinical Lab Biosafety requirements.
- Designed to meet the instrument/device Sample Adequacy requirements.
- Industry leading panel representing a significant portion of hrHPV types.
- Dedicated hr (high-risk) Negative HPV 67 Positive sample for ruling out a test cross-reactivity.

### **Performance:**

- PROCEEDx HPV Positive samples are compatible with Roche<sup>™</sup> COBAS®,
   Cepheid® GeneXpert® and HOLOGIC® Aptima® platforms.
- Suitable for verification/validation on HPV DNA and RNA (TMA) testing systems.

### Use:

- For Research Use Only (RUO).
- For instrument/device verification/validation and training.



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