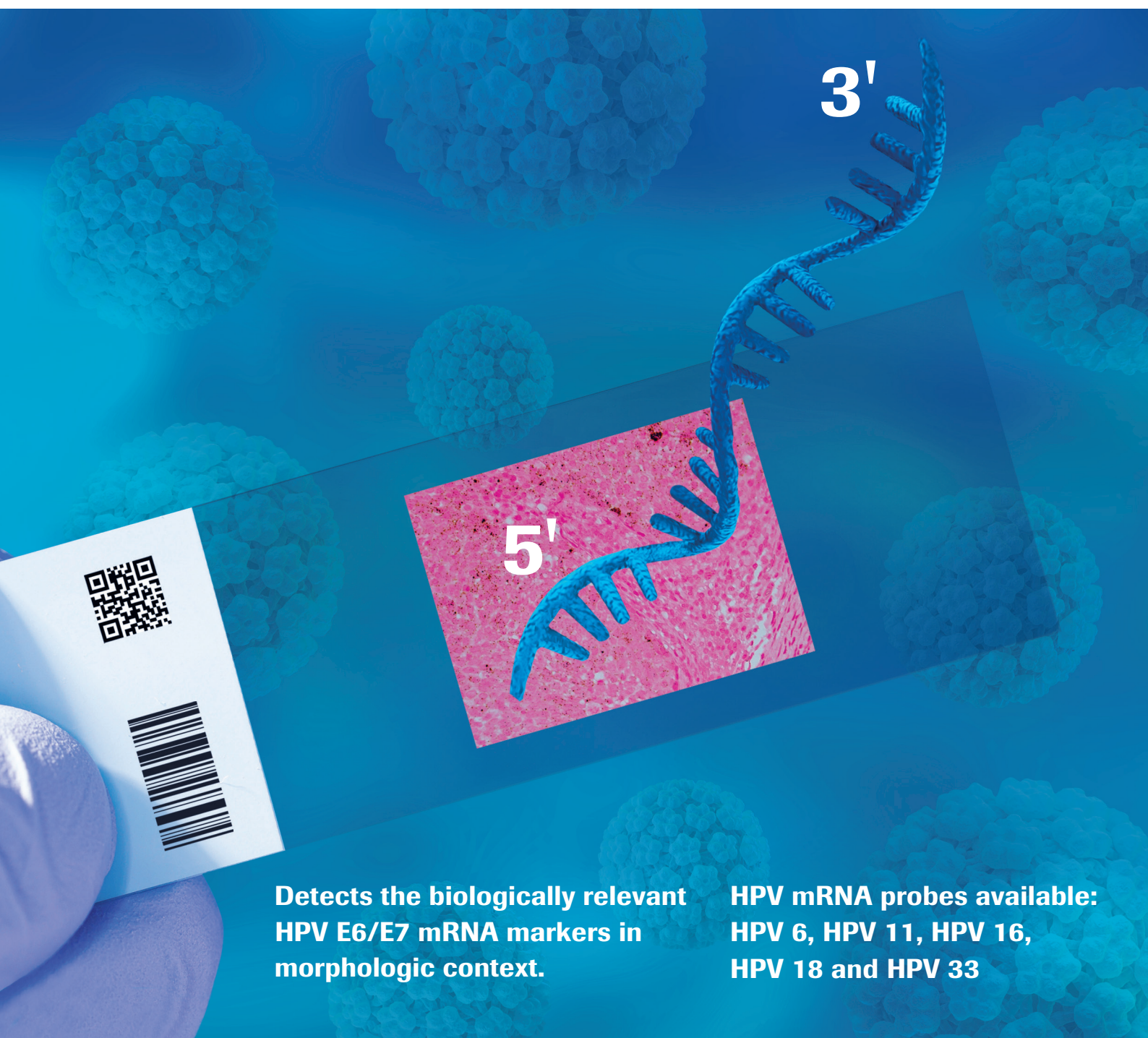


HPV mRNA in situ hybridization (ISH)

RNA probes for detection of specific HPV mRNA in tissue for use in laboratory developed tests



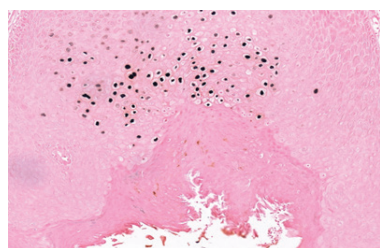
Detects the biologically relevant HPV E6/E7 mRNA markers in morphologic context.

HPV mRNA probes available: HPV 6, HPV 11, HPV 16, HPV 18 and HPV 33

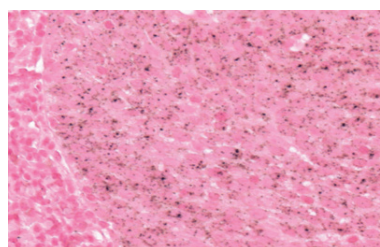
HPV mRNA ISH probes

- HPV E6 and E7 are biologically relevant markers
- Detect E6 and E7 mRNA in formalin-fixed, paraffin-embedded (FFPE) tissue
- Raw material for laboratory developed tests (LDTs)/Analyte Specific Reagent*

* Analytical and performance characteristics are not established.



HPV 6 mRNA Probe, 10x magnification



HPV 16 mRNA Probe, 40x magnification

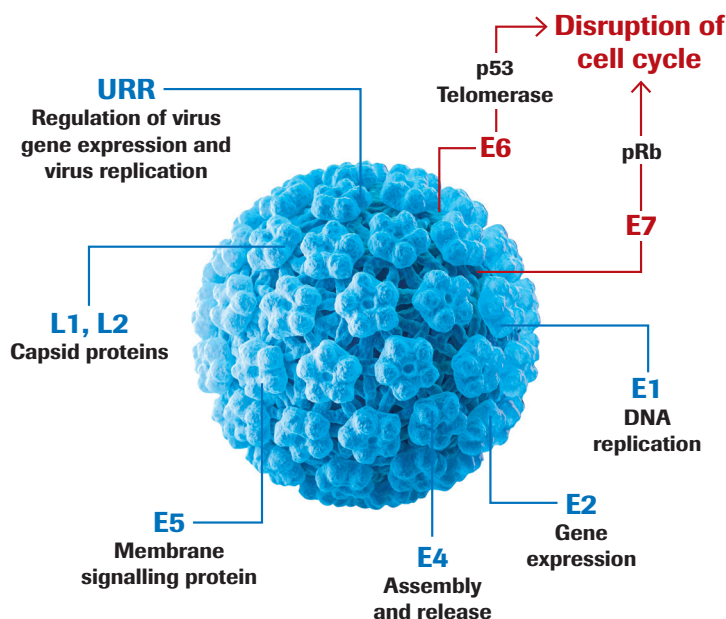


Figure 1. Two of the early HPV genes encode for the oncoproteins E6 and E7. mRNA transcription in cells indicates active viral processes. Overexpression of E6 and E7 mRNA precedes transformation of cells. In persistent high risk HPV infections, E6 and E7 oncoproteins disrupt the p53 and retinoblastoma protein (pRb) cell cycle control mechanisms respectively.

Five probe options are available. Each probe is packaged in an individual vial containing an HPV genotype-specific DNP-labeled ISH probe designed to bind to the respective HPV E6/E7 mRNA transcript.



Product	Cat. No.	Ordering Code
HPV 6 mRNA Probe	760-1239	07658877001
HPV 11 mRNA Probe	760-1240	07658885001
HPV 16 mRNA Probe	760-1236	07658834001
HPV 18 mRNA Probe	760-1237	07658842001
HPV 33 mRNA Probe	760-1238	07658869001

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