

HPV type 16/18 CISH Probe

Catalog # CG0027 Size 400 uL

Specification

Product Description HPV type 16/18 CISH Probe is designed for the qualitative detection of human papillomavirus (HPV) type 16/18 DNA in formalin-fixed, paraffin-embedded specimens by chromogenic *in situ* hybridization (CISH).

Reactivity Human

Recommend Usage The product is ready-to-use. No reconstitution, mixing, or dilution is required. Bring probe to room temperature (37°C) and mix briefly before use.

Supplied Product Reagent Provided:

1. Digoxigenin-labeled oligonucleotides specific for HPV type 16/18, which target DNA sequences encoding for the HPV 16/18 proteins E6, E7, and/or L1. The probe also targets the respective RNA sequences of E6, E7, and/or L1 proteins, which are expressed during some stages of infection.
2. Formamide based hybridization buffer.

Regulatory Status For research use only (RUO)

Storage Instruction Store at 2-8°C in an upright position. Return to storage conditions immediately after use.

Note The probe is intended to be used in combination with the CISH Implementation HRP-DAB Kit (Catalog #: [KA5367](#)), which provides necessary reagents for specimen pretreatment and post-hybridization processing.

The staining pattern in the nucleus can be observed as discrete and dot-shaped signals in case of integrated HPV, or as a strong and homogeneous nuclear staining in case of episomal HPV. A cytoplasmic staining is observed when RNA sequences of HPV are detected. Visualization of signals should be performed using a set of objectives ranging from an at least 200-fold to 630-fold magnification. The presence of the episomal staining pattern is usually detected clearly by an objective with 200-fold magnification, whereas the detection of the integrated HPV pattern requires a greater magnification, preferably 630-fold. Do not evaluate areas of necrosis, overlapping nuclei, over-digested nuclei and nuclei with weak signal intensity.

Applications

- Chromogenic *In Situ* Hybridization (FFPE Tissue)