

Product HPV 16/18 BIO DNA probe
Cat.no. PLB008

Biotinylated DNA Probe for Human Papillomavirus Type 16/18

patents pending

Technical specifications

- Quantity : 0.8 ml probe solution and 15 ml PanWash for 25 assays.
Format : the probe is supplied in a ready-to-use form optimally diluted in hybridization mixture.
Application : for the colorimetric detection of HPV type 16 and type 18 in paraffin sections, frozen sections and cytological specimen using the DNA *in situ* hybridization technique.
Recommended use : **USE ONLY IN COMBINATION WITH MATCHING PANWASH!**
Allow both reagents to warm up to room temperature (20-30°C) before starting. Dehydrate digested specimens in graded ethanol and air-dry. Apply one drop of probe solution per specimen and cover with a coverslip. Place the slides on a 95°C hotplate and incubate for 5 min. Incubate the slides for 2 hrs at 37°C. Gently remove coverslips by soaking slides in TBS buffer for 10 min. Apply 5-6 drops of PanWash (product code: BC0013) to each specimen and incubate for 15 min. on a 37°C heating block. Wash the slides for 3 x 1 min. in TBS buffer and start detection procedure.
Size of probe : 100-300 bp determined by agarose gel electrophoresis.
Region : 7.9 Kb HPV 16 and 7.9 Kb HPV 18 total genomes.
Vector : pSP 3.0 Kb.
Purification : performed by size exclusion chromatography.
Detection limit : at least 3-10 pg by filter hybridization using PanPath's biotin detection system (product code: DSB18).
Storage : store refrigerated at 2-6°C.
Stability : at least stable until expiry date printed on label.
Precautions : - homogenize probe solution before usage.
- avoid contact with eyes and skin.

References

1. Autillo-Touati A, Acta Cytologica, Vol. 5, No. 3, p. 631-638 (1998).
2. Jelsma T, Journal of NIH Research, Vol. 5, p. 82 (1994).

Related products

Universal ISH and detection kits product code: HKB18 or HKB27
TBS buffer product code: BC0017

Please contact your local supplier for further information.

1. The probes in this product are labeled with the Universal Linkage System (ULS[®]). This product or the use of this product may be covered by one or more patents of KREATECH Biotechnology BV, including, but not restricted to, the following: EP 0539466; US 5,580,990; US 5,714,327; WO 92/01699; WO 96/35696; WO 98/15564.