

Chromosome 3 Centromere Probe, Digoxigenin Labeled

70-0006

0.4 mL, Ready-To-Use

Intended Use

Analyte Specific Reagent.
Analytical and performance characteristics are not established.

Description

The probe is a double-stranded DNA probe that has been labeled with digoxigenin (DIG). It detects human chromosome 3 alpha-satellites DNA D3Z1 in formalin fixed paraffin embedded (FFPE) tissue sections and cell preparation by chromogenic *in situ* hybridization (CISH) methodology.

The probe has been demonstrated to bind specifically to the centromere of chromosome 3 by metaphase FISH in normal lymphocytes. This probe can detect multiple copies in human cancer cell lines which are known to have gain of chromosome 3.

Gain of chromosome 3 has been observed in urothelial carcinoma and MALT lymphoma, and loss of chromosome 3 has been observed in renal cell carcinoma (RCC) and uveal melanoma.

Reagent provided

This probe is supplied as liquid in hybridization buffer in ready-to-use format.

Precautions

For professional users.

MSDS sheet may be obtained by either visiting www.genemed.com or obtained by contacting Genemed Technical Support.

Usage

Each lot is tested by CISH in FFPE urinary tumor tissue sections. In these tests, the tissue section are pretreated using Genemed CISH Tissue Pretreatment Kit (10-0173), the probe and tissues are co-denatured at 92°C for 5 minutes and hybridized overnight. After 0.5X SSC stringent wash at 75°C for 5 minutes (from Genemed 10-0029 20XSSC), the probe are detected using Genemed CISH Poly HRP Detection Kit (52-0025). The CISH signal in nucleus can be observed under bright field microscope.

Storage

Store at 2-8°C.

References

1. Willard HF. Am. J. Hum. Genet. 37:524-532, 1985.
2. Prescher G, et al. Lancet. 347:1222-1225, 1996.
3. John L, et al. J Complication. 98, 33-37, 2006

Symbols



Catalog No.



Batch No.



Use By



Temperature Range

31409 Rev. 00

