

**Product** CMV DIG DNA probe  
**Cat.no.** PLD047

## *Digoxigenin<sup>1</sup> labeled DNA Probe for Human Cytomegalovirus*

*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 CMV 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: BC0014) 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 : isolated total genome  
Purification : performed by size exclusion chromatography.  
Detection limit : at least 3-10 pg by filter hybridization using a digoxigenin detection system.  
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. Van den Berg F, Journal of Clinical Pathology, Vol. 42, p.128-131 (1989).
2. Jelsma T, Journal of NIH Research, Vol. 5, p. 82 (1994).

### **Related products**

Universal ISH and detection kits                      product code: HKD38 or HKD47  
TBS buffer    product code: BC0017

Please contact your local supplier for further information.

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- 2 The probes in this product are labeled with the Universal Linkage System (ULS<sup>®</sup>). 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.