RISH™ Cytomegalovirus (CMV) Probe

Hybridization Probe

Control Number: 903-0011-082817

Catalog Number: **BRA 0011 T**
Description: Approximately 20 tests at 20 microliters per test
Dilution: Ready-to-use
Diluent: N/A

Intended Use:

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

Summary & Explanation:

CMV is a member of the human herpes virus-5, HHV-5 group and can be transmitted via breast milk, during organ transplantation, sexual activity or blood transfusions. It is estimated that 40-100% of people may be infected with this virus (1,2,4). CMV infections are common causes of morbidity and mortality especially in immune compromised individuals (1-3). The *in situ* hybridization technique offers an important advantage over immunohistochemistry, as it virtually lacks background, and allows a clean and sharp viewing of the histological preparation.

Clone: N/A
Isotype: N/A
Known Applications:
in situ hybridization (formalin-fixed paraffin-embedded tissues).
Supplied As:
RTU digoxigenin labeled DNA probe in buffered formamide with nucleic acid carriers
Storage and Stability:
Store probe at 2ºC to 8ºC. Do not use after expiration date printed on vials. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2ºC to 8ºC.
Analyte Specific Reagent Note:
The RISH™ Cytomegalovirus probe has been quality controlled by Biocare's RISH™ Detection Kit (RI0207KG). However, it is the responsibility of the laboratory or end-user to develop their own protocol and label appropriate disclaimer.

References:

1. Scheurer ME, Bondy ML, Aldape KD, Albrecht T, El-Zein R. Detection of human cytomegalovirus in different histological types of gliomas. Acta Neuropathol. 2008 Jul; 116 (1):79-86.
2. Cobbs CS, Soroceanu L, Denham S, Zhang W, Kraus MH. Modulation of oncogenic phenotype in human glioma cells by cytomegalovirus IE1-mediated mitogenicity. Cancer Res. 2008 Feb 1;68(3):724-30.
3. Harkins L, Volk AL, Samanta M, Mikolaenko I, Britt WJ, Bland KI, Cobbs CS. Specific localisation of human cytomegalovirus nucleic acids and proteins in human colorectal cancer. Lancet. 2002 Nov 16;360(9345):1557-63.
4. Cobbs CS, Harkins L, Samanta M, Gillespie GY, Bharara S, King PH, Nabors LB, Cobbs CG, Britt WJ. Human cytomegalovirus infection and expression in human malignant glioma. Cancer Res. 2002 Jun 15;62(12):3347-50.

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