

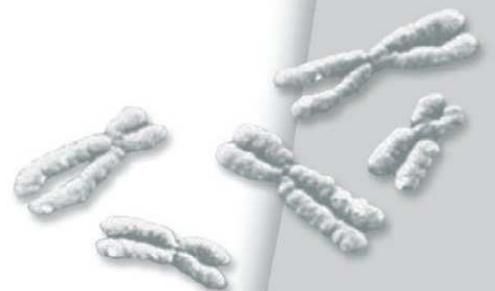
EBV, CMV, HSV, and SV40
Control Slide Set

REF E-4023-2

 2 slides

For the detection of EBV, CMV, HSV, and SV40 by
chromogenic *in situ* hybridization (CISH)

For research use only



Product Description

- Content:** EBV, CMV, HSV, and SV40 Control Slide (SC5), consisting of five different cell lines which are positive for EBV, CMV, HSV, and SV40, and one tissue (canine myocardial muscle).
- Product:** E-4023-2 (2 slides)
- Specificity:** The EBV, CMV, HSV, and SV40 Control Slide (SC5) is designed to be used as a positive control for the detection of HSV type 1, HSV type 2, CMV, EBV, and SV40 by chromogenic *in situ* hybridization (CISH).
- Storage/Stability:** The EBV, CMV, HSV, and SV40 Control Slide (SC5) must be stored at 2...8°C and is stable through the expiry date printed on the label.
- Use:** This product is designed for research purposes only and not for use in diagnostic applications.
- Safety Precautions:** Read the operating instructions prior to use!
- Although the fixation process renders the slides non-infectious, the user is advised to observe the same safety precautions as for handling/disposing potentially infectious agents!
- Avoid any direct contact with the slides. Take appropriate protective measures (use disposable gloves, protective glasses, and lab garments).

Slide Description

The EBV, CMV, HSV, and SV40 Control Slide (SC5) consists of five different cell lines containing different viruses, and one tissue (canine myocardial muscle).

The EBV, CMV, HSV, and SV40 Control Slide (SC5) should be used for monitoring the correct performance of a CISH experiment for the detection of viruses (HSV type 1, HSV type 2, CMV, EBV, and SV40) in formalin-fixed, paraffin-embedded tissues. For use as an on-slide control simply mount a tissue sample of interest next to the cell lines of the EBV, CMV, HSV, and SV40 Control Slide (SC5) before baking the slide.

Source: Mammalian cell lines containing different virus sequences, and canine myocardial muscle tissue

Fixative: 10% neutrally buffered formalin (24 h, pH 7.0)

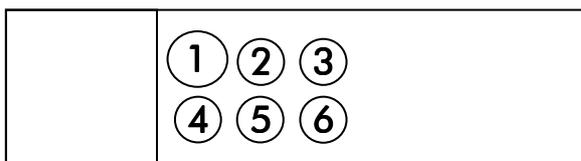
Embedding: Paraffin, red-colored

Thickness: 4 μ m

Mounting: Positively charged slides

Pretreatment: Pre-baked for 15 min at 58°C

Design:



1: EBV,CMV, HSV, and SV40 negative control tissue

2: HSV type 1 positive

3: HSV type 2 positive

4: CMV positive

5: EBV positive

6: SV40 positive

Instructions

- 1.** Remove label of the EBV, CMV, HSV, and SV40 Control Slide (SC5) and label slide with a pencil
- 2.** For on-slide control mount tissue sample of interest
- 3.** Bake slide at 60°C for a minimum of 2 h up to 16 h

Pre-treatment (dewaxing, proteolysis, post-fixation) should be carried out according to the needs of the user.

For a particularly user-friendly performance, we recommend the use of a *ZytoFast* CISH system by ZytoVision.

Results

When using appropriate EBV, CMV, HSV, and/or SV40 probes, a positive staining can be obtained on the different spots of the EBV, CMV, HSV, and SV40 Control Slide (SC5), as for example positive, evenly distributed staining of cells of an EBV positive cell line. If the cells on the EBV, CMV, HSV, and SV40 Control Slide (SC5) fail to show a positive staining, results of test samples should be considered as being invalid. In case of cross-reaction using an EBV, CMV, HSV, and/or SV40 probe please alter washing steps and/or increase stringency of hybridization/washing.

Our experts are available to answer your questions.

As of: January 1, 2010 (4.5)

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