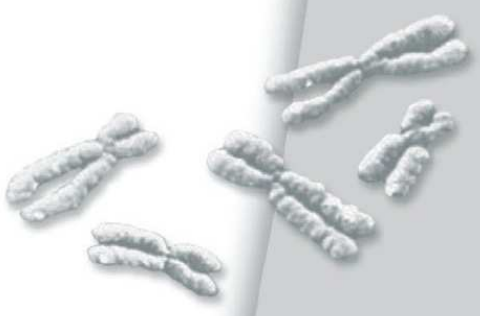
ZYTOVISION

EGFR Control Slide Set

REF E-4009-2 Σ 2 slides

For the detection of EGFR gene amplification by chromogenic *in situ* hybridization (CISH)

For research use only



Product Description

Content:	EGFR Control Slide **(SC3)**, consisting of two different cell lines, affected by different levels of EGFR gene amplification, and one tissue (canine myocardial muscle).
Product:	E-4009-2 (2 slides)
Specificity:	The EGFR Control Slide **(SC3)** is designed to be used as a positive control for the detection of EGFR gene amplification by chromogenic *in situ* hybridization (CISH).
Storage/Stability:	The EGFR Control Slide **(SC3)** 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).

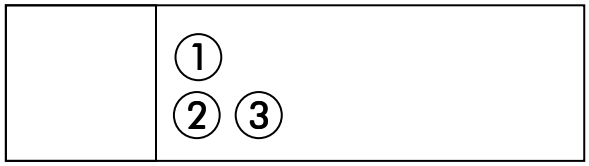
Slide Description

The EGFR Control Slide **(SC3)** consists of two different cell lines, affected by different levels of EGFR gene amplification, and one tissue (canine myocardial muscle).

The EGFR Control Slide **(SC3)** should be used for monitoring the correct performance of a CISH experiment for the detection of EGFR gene amplification 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 EGFR Control Slide **(SC3)** before baking the slide.

Source:	Mammalian cell lines containing human EGFR gene sequences, and canine myocardial muscle tissue
Fixative:	10% neutrally buffered formalin (24 h, pH 7.0)
Embedding:	Paraffin, red-colored
Thickness:	4 µm
Mounting:	Positively charged slides
Pretreatment:	Pre-baked for 15 min at 58°C

Design:



1: no EGFR signals
2: no EGFR amplification, 1-2 gene copies per nucleus
3: high level EGFR amplification, large cluster per nucleus

Instructions

1. Remove label of the EGFR Control Slide **(SC3)** 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 Zyto*Dot* CISH system by ZytoVision.

Results

When using appropriate EGFR probes, a positive staining can be obtained on the different spots of the EGFR Control Slide **(SC3)**, as for example two dot-shaped EGFR signals in a nucleus of a cell line not affected by an EGFR gene amplification. If the cells on the EGFR Control Slide **(SC3)** fail to show a positive staining, results of test samples should be considered as being invalid. In case of cross-reaction using an EGFR 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)

Trademarks:

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