

Cyclin D1 On-Slide-Control

For use in both CISH™ and IHC protocols

Lot No.

DESCRIPTION:

Cyclin D1 On-Slide Control consists of 2 control cell lines: positive cell line A (with cyclin D1 gene amplification) and negative control cell line B (no cyclin D1 gene amplification). Positive cell line A also has chromosome 11 aneuploidy (4 copies/nucleus), and negative cell line B has chromosome 11 diploidy (2 copies/nucleus). The small surface area of the control slide is advantageous as it allows side-by-side analysis of the sample tissue specimen (e.g. breast carcinoma specimen) and the control cell lines. Simply mount your tissue sample of interest directly on the control slide. When stained together, this system provides an "On-Slide-Control-Staining," which enables the end user to archive the stained control together with the investigated sample, proving, even after years, the reliability of your staining. This product can be used with either Invitrogen's CISH™ Cyclin D1 Amplification Probe (Cat. No. 84-1900) or Cyclin D1 monoclonal antibody (Cat. No. 18-0220, Clone AM29).

EXPECTED STAINING:

PROBE/ANTIBODY	CISH RESULTS	IMMUNOSTAIN PATTERN
Cyclin D1	>5 copies/nucleus	Strong nuclear/ some cytoplasmic

Positive cell controls should only be utilized for monitoring the correct performance of processed tissues and test reagents, rather than as an aid in the interpretation of samples. If the positive cell controls fail to demonstrate positive staining, results with the test specimens should be considered invalid.

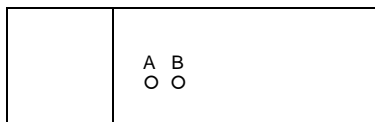
CELL LINES PROVIDED:

Source: Mammalian Cell Lines
 Fixative: 10% Neutral buffered formalin
 Embedding: Paraffin
 Thickness: 4 µm
 Mounting: Mounted on positively charged slides
 Note: **Slides have not been baked at 60°C. (Needs to be performed prior to staining.)** Deparaffinize and rehydrate before use. Process positive control slides using same protocol as test samples.

QUANTITY: 5 unstained slides.
STORAGE: 2-8°C.
INTENDED USE: For research use only. Not for use in diagnostic procedures.

APPLICATIONS: Chromogenic In Situ Hybridization (CISH), Immunohistochemistry.

Cyclin D1 On-Slide-Control Slide



Cell Line A – Cell line derived from mammary gland
 Expected CISH Results: Amplification, >5 copies/nucleus
 Expected IHC Results: Strong nuclear and some cytoplasmic staining

Cell Line B – Cell line derived from normal lymphoblasts
 Expected CISH Results: No amplification, 2 copies/nucleus
 Expected IHC Results: Negative nuclear staining and weak cytoplasmic staining

www.invitrogen.com

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288
 E-mail: techsupport@invitrogen.com

PIN 31697
 1089

(REV 08/08) DCC-08-

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

Cyclin D1 On-Slide-Control

For use in both CISH™ and IHC protocols

Lot No.

DESCRIPTION:

Cyclin D1 On-Slide Control consists of 2 control cell lines: positive cell line A (with cyclin D1 gene amplification) and negative control cell line B (no cyclin D1 gene amplification). Positive cell line A also has chromosome 11 aneuploidy (4 copies/nucleus), and negative cell line B has chromosome 11 diploidy (2 copies/nucleus). The small surface area of the control slide is advantageous as it allows side-by-side analysis of the sample tissue specimen (e.g. breast carcinoma specimen) and the control cell lines. Simply mount your tissue sample of interest directly on the control slide. When stained together, this system provides an "On-Slide-Control-Staining," which enables the end user to archive the stained control together with the investigated sample, proving, even after years, the reliability of your staining. This product can be used with either Invitrogen's CISH™ Cyclin D1 Amplification Probe (Cat. No. 84-1900) or Cyclin D1 monoclonal antibody (Cat. No. 18-0220, Clone AM29).

EXPECTED STAINING:

PROBE/ANTIBODY	CISH RESULTS	IMMUNOSTAIN PATTERN
Cyclin D1	>5 copies/nucleus	Strong nuclear/ some cytoplasmic

Positive cell controls should only be utilized for monitoring the correct performance of processed tissues and test reagents, rather than as an aid in the interpretation of samples. If the positive cell controls fail to demonstrate positive staining, results with the test specimens should be considered invalid.

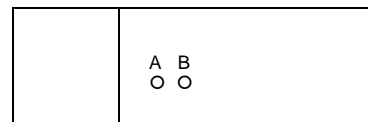
CELL LINES PROVIDED:

Source: Mammalian Cell Lines
 Fixative: 10% Neutral buffered formalin
 Embedding: Paraffin
 Thickness: 4 µm
 Mounting: Mounted on positively charged slides
 Note: **Slides have not been baked at 60°C. (Needs to be performed prior to staining.)** Deparaffinize and rehydrate before use. Process positive control slides using same protocol as test samples.

QUANTITY: 5 unstained slides.
STORAGE: 2-8°C.
INTENDED USE: For research use only. Not for use in diagnostic procedures.

APPLICATIONS: Chromogenic In Situ Hybridization (CISH), Immunohistochemistry.

Cyclin D1 On-Slide-Control Slide



Cell Line A – Cell line derived from mammary gland
 Expected CISH Results: Amplification, >5 copies/nucleus
 Expected IHC Results: Strong nuclear and some cytoplasmic staining

Cell Line B – Cell line derived from normal lymphoblasts
 Expected CISH Results: No amplification, 2 copies/nucleus
 Expected IHC Results: Negative nuclear staining and weak cytoplasmic staining

www.invitrogen.com

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288
 E-mail: techsupport@invitrogen.com

PIN 31697
 1089

(REV 08/08) DCC-08-

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.