

Fluorescent chromosome paints / Scotlab.

Contributors

Scotlab (Firm)

Publication/Creation

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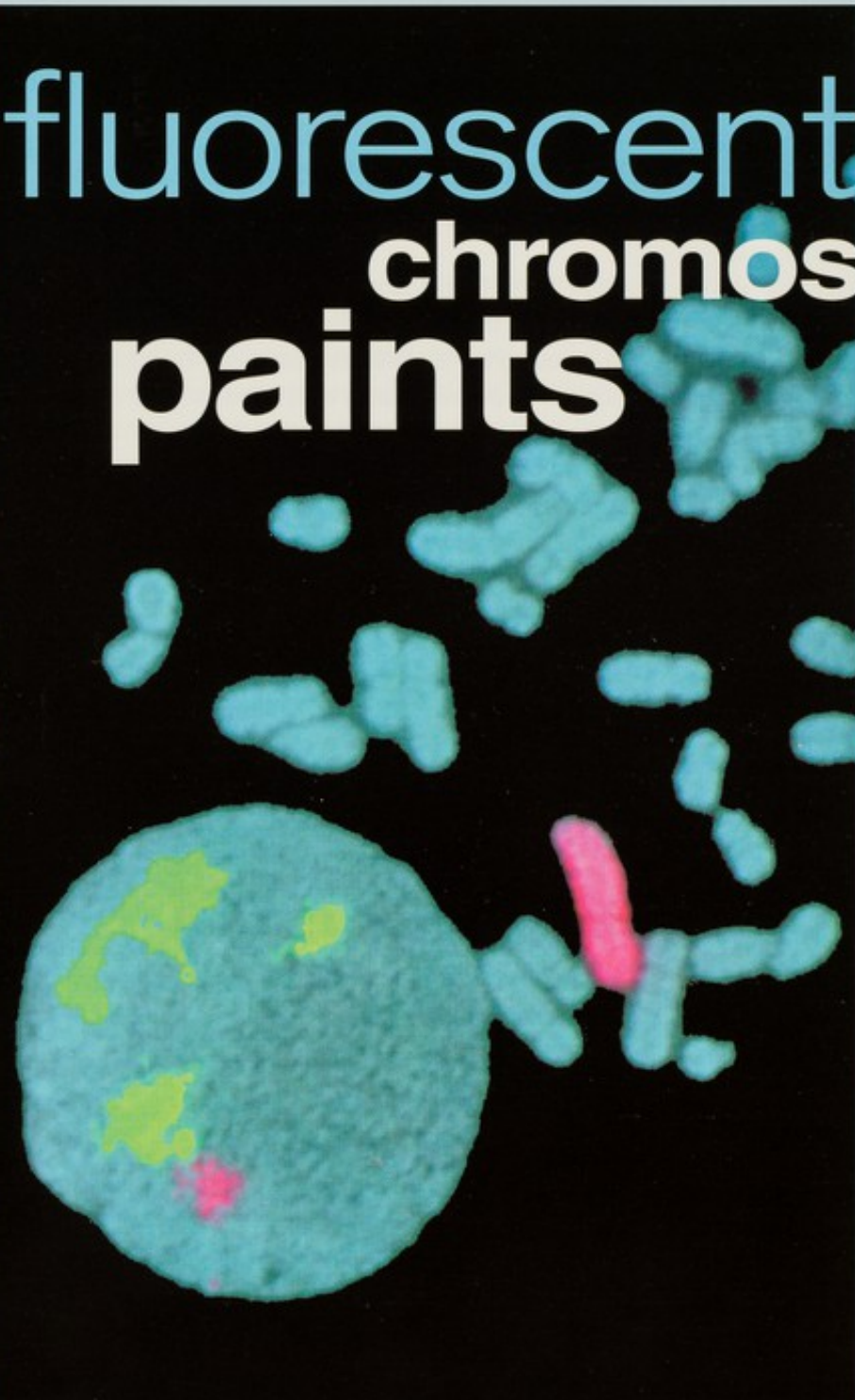
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fluorescent chromosome paints

A collection of fluorescently labeled chromosomes. In the foreground, a large, circular chromosome is shown with several distinct yellow and red spots. To its right and scattered in the background are numerous smaller, rod-shaped chromosomes, many of which are glowing with a bright blue fluorescence. One rod-shaped chromosome is notably colored in a vibrant pink.

Directly-labelled

*no need to routinely
add secondary
reagents to develop fluorescent
signals*

•

Easy-to-use

*supplied with instructions
and ready-made
hybridisation buffer*

•

Quality assured

*manufactured and tested to
meet exacting quality
standards*

•

Custom Service

*dual labelling
simultaneous testing*

scottlab
bioscience

whole chromosome “painting” probes *for* metaphase cells

Scotlab Biovation Whole Chromosome “Painting” Probes are produced to uniformly label specific chromosomes including the telomeric regions. Metaphase cells can be probed directly with these fluorescent probes with hybridisation times as short as 2 hours to give clear labelling of specific chromosomes for the analysis of aneuploidies, translocations and other chromosomal abnormalities.



Biovation “Painting” Probes can be supplied as a full set for the labelling of any chromosome, as individual probes or as any combination of probes. In each case, probes are supplied ready-to-use along with hybridisation buffer and a full protocol.

Scotlab Biovation chromosome painting probes are available with FITC or Cy3 red fluorochrome labels. In addition, Scotlab can supply NEW Biovation Dual Label Whole Chromosome “Painting” Probe **Custom Combinations** formulated for simultaneous detection of two chromosomes of choice. **Custom Combination** probes are available in single colour or dual colour mixtures formulated ready-to-use in 2x5 test sample sizes.

Scotlab is dedicated to the further development and supply of chromosome probes labelled with different fluorochromes or mixtures of fluorochromes in order to further simplify the analysis of human chromosomes. In addition, Scotlab is committed to quality and to the supply of reliable and cost-effective reagents to assist in genetic and diagnostic research.

Chromosome Enumeration probes *for* Interphase Cells

Scotlab Biovation Chromosome Enumeration Probes are produced to specifically label individual chromosomes resulting in bright and compact fluorescent spots in interphase cells. This potentially simplifies the enumeration of human chromosomes by counting fluorescent spots, each representative of a specific chromosome. By avoiding the need to produce metaphase spreads, chromosome enumeration is made much simpler and more rapid.

Scotlab's continued commitment to improving current procedures is aimed at further simplifying and speeding up the hybridisation process. Chromosome enumeration probes are supplied either as individual probes or combinations of probes. In each case, probes are supplied ready-to-use along with hybridisation buffer and full protocol.

NEW Biovation X/Y Interphase probes for the ready detection of X and Y chromosomes in interphase cells.

These probes are available as either 10 tests of X or Y with either of the green FITC fluorochrome label or the red Cy3 fluorochrome label. In addition, a 5 test of dual label probe of X-Cy3 / Y-FITC for simultaneous X/Y detection is also available.

Scotlab Biovation has a program for the development of additional probes for the enumeration of chromosomes and for the detection of specific chromosomal abnormalities such as deletions and translocations. Interphase probes for the detection of chromosomes 18 and 21 will shortly be available. Scotlab is committed to the quality and supply of cost-effective reagents to assist in genetic and diagnostic research.

As with the Biovation Whole Chromosome "Painting" probes, Biovation Interphase probes are available with a green FITC fluorochrome label or a red Cy3 label. Cy3 has an absorbance at 550nm and has fluorescence characteristics similar to tetramethylrhodamine and can be used with many existing rhodamine filter sets. However, the Cy3 fluorescent signal is far superior and is readily visible under standard fluorescent microscopy conditions particularly when used with DAPI counterstaining. Biovation Cy3 and FITC chromosome painting probes are supplied in a 3 Test or 10 Test format.



▲ Abnormal blood from leukemia patient with translocation between chromosomes 2 and 3 using FITC-paint 2 / Cy3-paint 3

BIO VATION

advantages

OF SCOTLAB BIOVATION'S FLUORESCENT DNA PROBES

- ▶ Directly-labelled: no need to routinely add secondary reagents in order to develop a fluorescent signal.
- ▶ Easy-to-use: supplied with instructions and a ready-made hybridisation buffer.
- ▶ Quality assurance: manufactured and tested to meet Scotlab's exacting quality standards.

All Scotlab Biovation Chromosome Probes are supplied with hybridisation buffer, a full protocol and a quality assurance certificate.

FLUORESCENT CHROMOSOME PROBES

Whole Human Chromosome "Painting" Probes -

Chromosome Paint Kit, FHP KIT (1-22, X, Y - 3 tests per Paint)

Any 2 Chromosome Paints - 2 x 5 tests, FHP MIX2

Any 3 Chromosome Paints - 3 x 5 tests, FHP MIX3

per additional Chromosome Paint - 5 tests, FHP MIX4

Chromosome 1 Paint - 10 tests, FHP 001

Chromosome 2 Paint - 10 tests, FHP 002

Chromosome 3 Paint - 10 tests, FHP 003

Chromosome 4 Paint - 10 tests, FHP 004

Chromosome 5 Paint - 10 tests, FHP 005

Chromosome 6 Paint - 10 tests, FHP 006

Chromosome 7 Paint - 10 tests, FHP 007

Chromosome 8 Paint - 10 tests, FHP 008

Chromosome 9 Paint - 10 tests, FHP 009

Chromosome 10 Paint - 10 tests, FHP 010

Chromosome 11 Paint - 10 tests, FHP 011

Chromosome 12 Paint - 10 tests, FHP 012

Chromosome 13 Paint - 10 tests, FHP 013

Chromosome 14 Paint - 10 tests, FHP 014

Chromosome 15 Paint - 10 tests, FHP 015

Chromosome 16 Paint - 10 tests, FHP 016

Chromosome 17 Paint - 10 tests, FHP 017

Chromosome 18 Paint - 10 tests, FHP 018

Chromosome 19 Paint - 10 tests, FHP 019

Chromosome 20 Paint - 10 tests, FHP 020

Chromosome 21 Paint - 10 tests, FHP 021

Chromosome 22 Paint - 10 tests, FHP 022

Chromosome X Paint - 10 tests, FHP OXX

Chromosome Y Paint - 10 tests, FHP OYY

Trial Kits (3 Tests)

5 x Wash Buffer - 100 ml, ANC 001

DAPI-Antifade solution - 300µl (30 tests) (recommended for "Painting" probes)

PI-Antifade solution - 300µl (30 tests), ANC 003

FITC Antibody Enhancement Kit - 50 tests, ANC 004

Custom Combinations

FITC Labelled	Cy3 Labelled	UK LIST
SL-8701	SL-8801	£435.00
SL-8702	SL-8802	£75.95
SL-8703	SL-8803	£108.95
SL-8704	SL-8804	£27.50
SL-8711	SL-8811	£75.95
SL-8712	SL-8812	£75.95
SL-8713	SL-8813	£75.95
SL-8714	SL-8814	£75.95
SL-8715	SL-8815	£75.95
SL-8716	SL-8816	£75.95
SL-8717	SL-8817	£75.95
SL-8718	SL-8818	£75.95
SL-8719	SL-8819	£75.95
SL-8720	SL-8820	£75.95
SL-8721	SL-8821	£75.95
SL-8722	SL-8822	£75.95
SL-8723	SL-8823	£75.95
SL-8724	SL-8824	£75.95
SL-8725	SL-8825	£75.95
SL-8726	SL-8826	£75.95
SL-8727	SL-8827	£75.95
SL-8728	SL-8828	£75.95
SL-8729	SL-8829	£75.95
SL-8730	SL-8830	£75.95
SL-8731	SL-8831	£75.95
SL-8732	SL-8832	£75.95
SL-8733	SL-8833	£75.95
SL-8734	SL-8834	£75.95
SL-87XX/T	SL-88XX/T	£22.95
SL-8736		£35.00
SL-8737		£49.00
SL-8738		£49.00
SL-8739		£119.00

Please call

INTERPHASE PROBES

Dual labelled X/Y interphase probe (X-Cy3 / Y-FITC) - 10 tests

Dual labelled X/Y interphase probe (X-FITC / Y-Cy3) - 10 tests

X interphase probe (Cy3) - 10 tests

X interphase probe (FITC) - 10 tests

Y interphase probe (Cy3) - 10 tests

Y interphase probe (FITC) - 10 tests

Chromosome 18 interphase probe - 10 tests

SL-8851	£218.95
SL-8852	£218.95
SL-8853	£132.00
SL-8854	£132.00
SL-8855	£132.00
SL-8856	£132.00
SL-8857	£132.00

PLEASE NOTE: ALL PRICES EXCLUDE CARRIAGE



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