

# ASI Reagents

## Whole Chromosome Paints

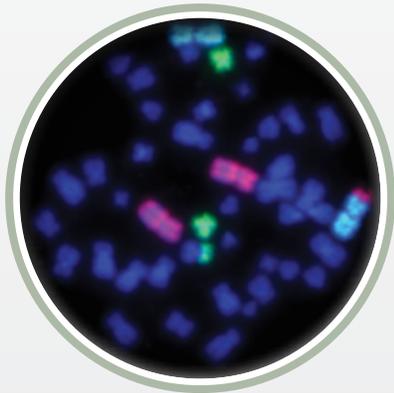
### Simultaneous Visualization

ASI offers a comprehensive range of whole chromosome painting probes for human, mouse and rat chromosomes. These probes are designed for use in fluorescence in situ hybridization (FISH) analysis.

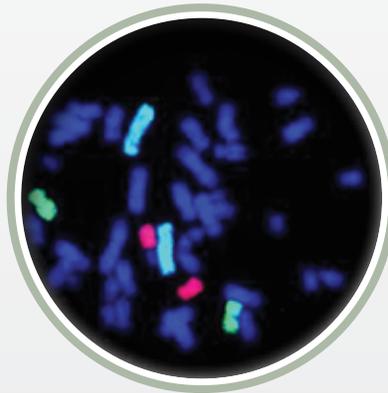
ASI's Whole Chromosome Paints probes are labeled with FITC, Rhodamine and Aqua. A combination of two or three colors can be visualized simultaneously. The paints are ready to be used in hybridization solutions and are supplied in an economical 5 or 10 test format, or as a complete paintbox set.

The painting probes are visible using single band pass filters or a standard triple DAPI/FITC/Texas Red filter. They have a guaranteed shelf life of 24 months. Due to their excellent stability, they are shipped at room temperature and should be stored at  $-20^{\circ}\text{C}/-4^{\circ}\text{F}$  upon arrival.

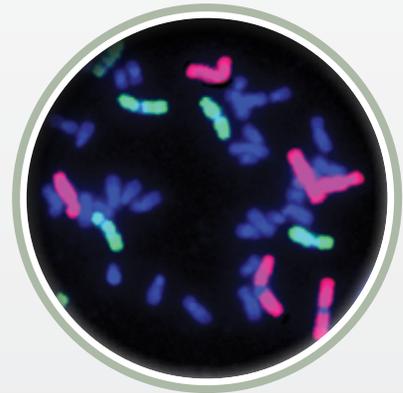
All ASI probes are manufactured in compliance with ISO 9001 under rigorous quality control and strict GMP standards.



Three paints for chromosomes 1(aqua); 2(red) and 16 (green)

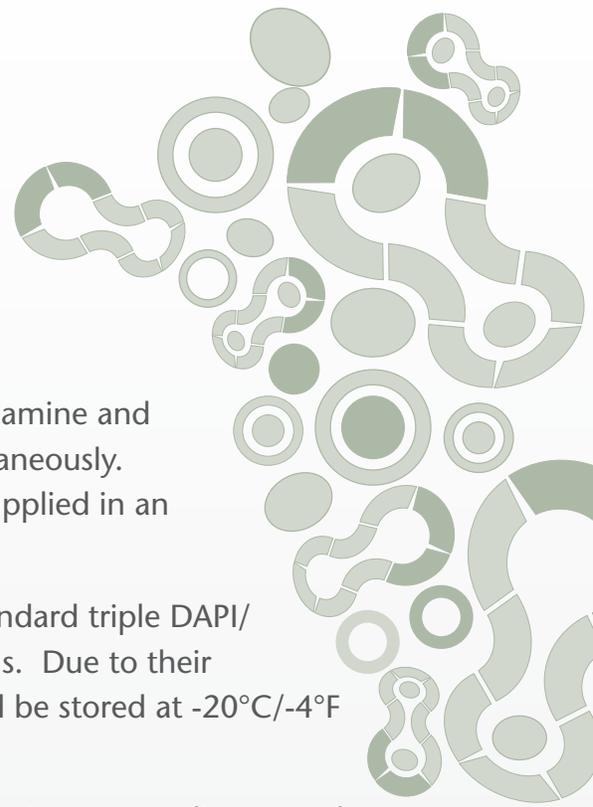


Three paint chromosome metaphase



Two paint chromosome metaphase

For research purposes only, not intended for diagnostic or therapeutic use.



Applied Spectral Imaging  
Bringing Details to Light

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## Whole Chromosome Paints

### Spectral Karyotyping

SKYPaint® Probes are 24-color combinatorially labeled FISH probes specifically designed for GenASIs Spectral Karyotyping (HiSKY®). Kits are available for human, mouse and rat cytogenetic applications. Hybridization procedures with SKYPaint are as simple as standard FISH protocols.

### Accurate and Cost Effective

A single hybridization saves time and money in comparison to the high-cost multiple hybridizations necessary with other FISH probes. Many high quality HiSKY images can be obtained from just one kit.

### Linked to Classical Cytogenetics

SKYPaint hybridization is identical to familiar FISH protocols, ensuring ease of use. Painting is uniform along the entire length of the chromosome, with superb band enhancement of the DAPI inverted chromosomes.

### Effective for Multiple Sample Types

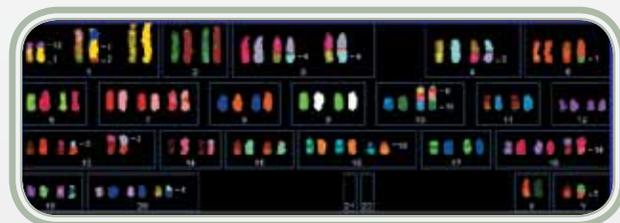
Applicable sample types include cancer cell lines, bone marrows, leukemias and lymphomas, lymphocyte preparations, oocytes, amniotic fluid and other species.



SKY paint probes



Classified image of mouse cell line Courtesy of A. Venkitarman, Cambridge University, UK.



Rat karyotype



Amniocentesis with HiSKY. Unidentified material on chromosome 11 was classified as belonging to chromosome Y

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