# SKYVIEW® EXPO

## THE RECOGNIZED LEADER IN MULTICOLOR KARYOTYPING

The **SKY®** (spectral karyotyping) technique has been the research tool of choice in over 200 publications in high-ranking scientific journals such as Science, Nature, The Lancet and others.

SKY is the cornerstone of the SkyView spectral karyotyping system.

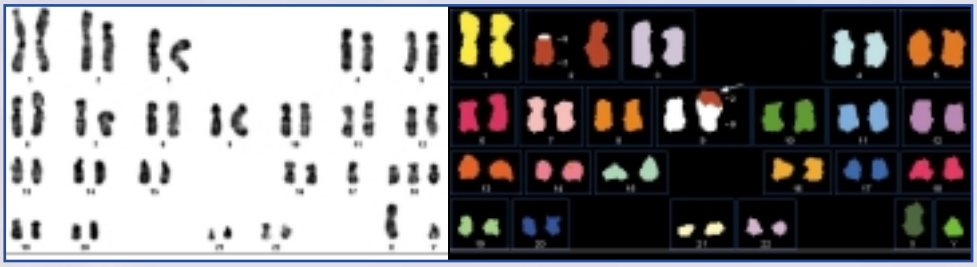
- Quick analysis of the whole genome in one hybridization
- Accurate detection of inter-chromosomal aberrations
- Powerful results verification tools
- Band-enhanced DAPI images
- Dedicated image database to find specific translocations and aberrations

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

### Simple to use

The SkyView spectral karyotyping system automates tasks so that you can concentrate on the issues at hand.

- Automated background subtraction and chromosome contour definition
- Automated color karyotyping
- Automated image enhancement
- Easy-to-use contour editing tools
- One-click report generation



***A G-Band karytoype of ALL (Acute Lymphoblastic Leukemia) shows an aberrant chromosome 2. With SKY, this chromosome was identified as having material mostly from chromosome 9 with a small segment from chromosome 2.***

applied Spectral Imaging
*Bringing the Details to Light*

## Quality hybridization

The SKY technique starts with SkyPaint-high quality hybridization kits designed and manufactured by Applied Spectral Imaging. SkyPaint is the first multicolor probe kit available for both the human, mouse, and rat genome.

- Multicolor probe kits for human, mouse, and rat
- Hybridization procedures as familiar as standard FISH protocols
- Smooth hybridization to previously G-banded slides
- Rigorous QA standards for kit production

*Amniocentesis: With SKY, unidentified material on chromosome 11 was classified as belonging to chromosome Y. The pregnancy was carried to term, and a healthy baby was born.*

## Integrated solution

The SkyView spectral karyotyping system offers an integrated solution for your karyotyping needs. Along with its multicolor karyotyping capabilities, it seamlessly expands to include BandView, FISHView and CGHView, which are Applied Spectral Imaging's band karyotyping, FISH and CGH systems.

For pathology and cell biology applications, you can easily add on SpectraView, a spectral imaging analysis system. SpectraView has proven efficacy, with results published in numerous scientific journals.

- Case Data Manager dedicated image database with powerful archiving, back-up and search capabilities
- BandView automated karyotyping system for G/R/Q/DAPI staining
- FISHView acquisition and analysis FISH system
- CGHView high-resolution CGH system
- SpectraView general spectral imaging system for pathology and cell biology applications which includes robust bright field multicolor analysis

## Competitively priced

The SkyView spectral karyotyping system offers you an integrated solution at a price you cannot ignore.
Call us to set up a demonstration at your lab.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