

High Resolution Spectral Karyotyping Analysis Software

HiSKY is a user - friendly, multicolor FISH application. The HiSKY system offers an integrated solution for your karyotyping needs, including BandView and FISHView, which are Applied Spectral Imaging's band karyotyping and FISH systems.

Powerful Flow & Display

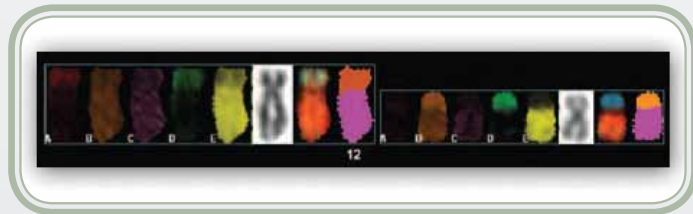
- Quick analysis of the whole genome in one hybridization
- Accurate detection of chromosomal aberrations
- Full support for multi-species
- Powerful results verification tools
- Karyotype table in 8 color options (Enhanced color, band enhanced DAPI, classified color and any of the 5 cross-talk-free pure colors used for the staining)
- Special algorithms for DAPI band-enhancement with customized default
- Direct connectivity to Internet sites for immediate reference of relevant aberrations

Improved Accuracy

- Translocation tools
- Quantitative dye intensity information
- Cleaning tools to remove noise
- And more...



Tool tip displaying classification results on specific pixels



Single dye concentration

Karyotyping and Information

- Manipulating tools for dragging, replacing, rotating, annotating
- Customization of karyotype appearance
- Control of gap spacing on screen and in print
- Support of ISCN 2005 ideogram with 300, 400, 550, 700 and 850 band resolutions
- Utility for generating aberrant ideograms for reporting
- Special tools to verify the results, e.g. Resolve Translocation

Reports

- Create customized reports
- Copy selected chromosomes into any other imaging application

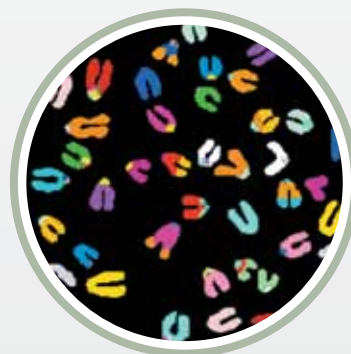
Kit and Filter

The HiSKY technique starts with SKY Paint — a high quality hybridization kit designed and manufactured by Applied Spectral Imaging. Multicolor probe kits are available for human, mouse and rat.

- Hybridization procedures as simple as FISH
- Dedicated filter to support Aqua as a sixth color; for future use and home made kits



Amniocentesis with HiSKY, unidentified material on chromosome 11 was classified as belonging to chromosome Y



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

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