

Human Whole Chromosome Pinpoint FISH™ Paints

Human whole chromosome Pinpoint FISH™ paints are synthetic oligonucleotide DNA probes designed to target individual chromosomes. These paints provide higher signal-to-noise ratio compared to BAC FISH probes. KromaTiD Pinpoint FISH™ paints deliver improved specificity and hybridization in standard FISH assays.

Whole chromosome paints are comprised of thousands of individual fluorescently-labeled tiled oligos, designed to only target genomic unique sequence.

Key Benefits

- Competitive pricing
- Bright and even signals, low background
- High specificity
- Higher resolution than BAC probes

FISH Applications

Whole chromosome Pinpoint FISH™ paints can be used for a variety of FISH applications including:

- Chromosomal structural variant detection including translocations, insertions, aneuploidy, and other complex rearrangement events in metaphase cells.

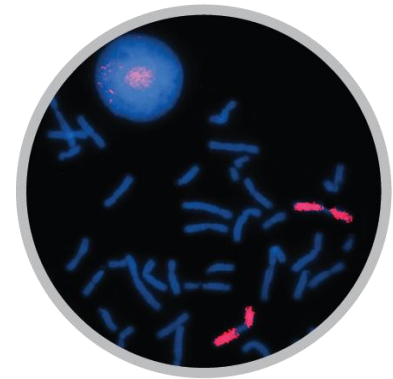


Figure 1: Human Whole Chromosome 3 Paint labeled with ATTO-550. Hybridization performed on a B-Lymphocyte cell line.

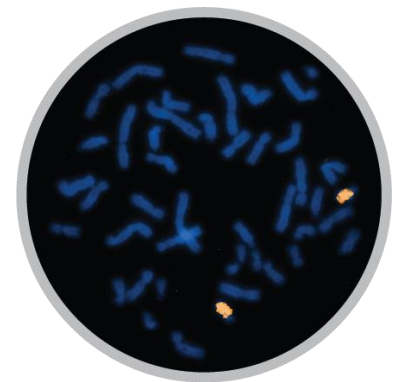


Figure 2: Human Whole Chromosome 18 Paint labeled with TexasRed. Hybridization performed on a B-Lymphocyte cell line.

Equipment and Sample Requirements

KromaTiD has designed the whole chromosome Pinpoint FISH™ paints to minimize adoption costs and training. For labs that currently run FISH, Pinpoint FISH™ paints will work with metaphase samples using standard FISH consumables and equipment. Probes have been tested in combination assays with BAC probes and can work in those same assays.

Pinpoint FISH™ Probe Pricing

Whole chromosome Pinpoint FISH™ paints are available for all chromosomes and in five fluorophores.

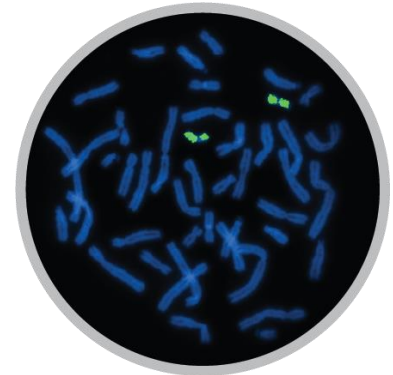


Figure 3: Human Whole Chromosome 19 Paint labeled with 6-FAM. Hybridization performed on a B-Lymphocyte cell line.

Products	Size	List Price
Paints labeled with Atto550/Spectrum Orange	10 tests	\$145.00
Paints labeled with TexRed	10 tests	\$145.00
Paints labeled with 6-FAM/Spectrum Green	10 tests	\$145.00
Paints labeled with Atto643/647/Cy5	10 tests	\$155.00
Paints labeled with Atto425/Aqua	10 tests	\$155.00
FISH Hybridization Buffers	10 tests	\$5.00