



myTags®



Custom FISH Probes

OVERVIEW

Break free from the limitations of traditional FISH with high-specificity, repeat-free myTags® probes. Our proprietary design process can work with any known sequence to generate complex oligo libraries, removing the limitations of BAC probes and repetitive elements. Easily visualize target regions with brighter signal and reduced background using a custom library containing up to thousands of unique sequences. myTags® are available as immortal probe libraries that can be amplified and labeled in-house or supplied as ready-to-use labeled probes.

FEATURES & BENEFITS

Complimentary Design – Free bioinformatic design service for custom target regions

Efficient – Short probes increase cellular and nuclear penetration

Specific – Eliminate background signal from non-specific and cross-hybridization in your FISH

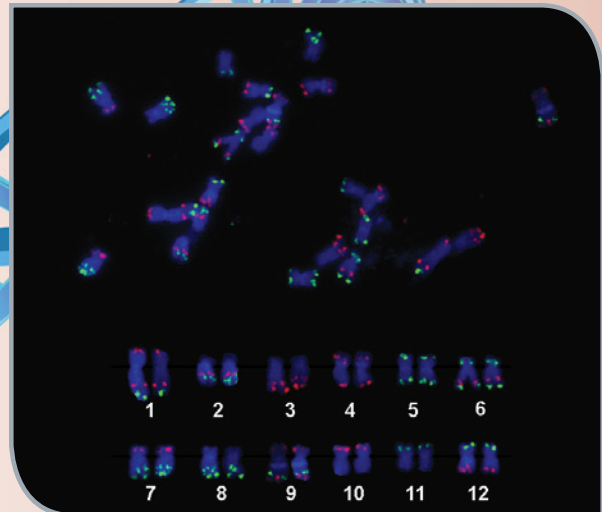
Consistent – Probes designed with normalized T_m for single hybridization profile

Labeled Probes – Supplied ready-to-use upon arrival with label of choice

Versatile – Label in-house with different tags for pairing with other probes

APPLICATIONS

- DNA-FISH, RNA-FISH, Cryo-FISH, FIBER-FISH
- Chromosome Painting
- Genetic Mapping
- Scaffold Assembly
- Spatial-temporal Patterns of Gene Expression
- Multi-color FISH
- Synthetic Reporters



Identification of potato chromosomes using oligo-based FISH barcode. Photo courtesy of Guilherme Braz and Jiming Jiang.

myTags[®] Labeled Libraries

Let us prepare custom labeled probes for your unique project. Select from several dye options or multiple fluorophores to enhance your probe signal. Labeled probes are provided in ready-to-use batches of 700 pmol for FISH assays.

Convenient – Probes are delivered ready-to-use in your FISH assay

Customizable – Choose from a variety of labels, including fluorophores and haptens

Increased Signal Intensity – Boost detection with triple-labeled probes

PRODUCT TABLE

Cat. No.	Description	Size	Labels
402007	myTags 20K single-labeled ssDNA, 1-20K oligos	700 pmol	1
402010	myTags 20K single-labeled ssDNA, 1-20K oligos	1,000 pmol	1
402035	myTags 20K triple-labeled ssDNA, 1-20K oligos	500 pmol	3
404007	myTags 40K single-labeled ssDNA, 20-40K oligos	700 pmol	1
406007	myTags 60K single-labeled ssDNA, 40-60K oligos	700 pmol	1

Label
Options

6-FAM

ATTO-488

TET

HEX

JOE

MAX

ATTO-550

TAMRA

ROX

ATTO-594

ATTO-633

ATTO-647N

ATTO-655

ATTO-665

myTags[®] Immortal Libraries

Generate labeled probes the way you want them, when you want them, using the supplied myTags labeling protocol. myTags immortal libraries can be easily amplified thus delivering an endless supply of probe library.

Universal – One labeled primer is compatible with all myTags immortal libraries

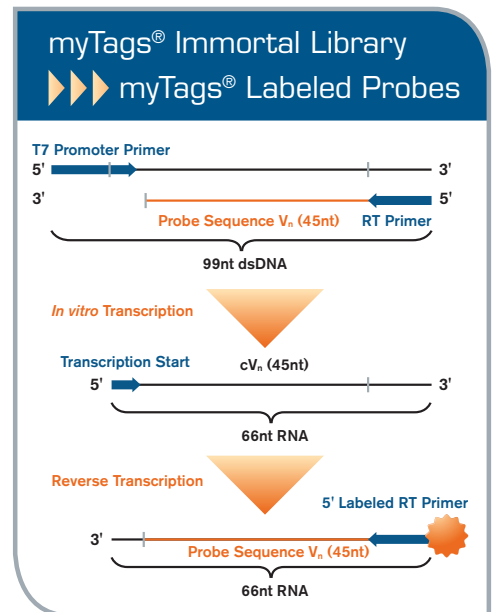
Flexible – Easily try new dyes and labels

Higher yields – Increase yields of in-house labeled probes

Support – Friendly, fast, and experienced technical support for labeling protocol

PRODUCT TABLE

Cat. No.	Description	Size
402001	myTags 20K Immortal dsDNA, 1-20K oligos	200 ng
404001	myTags 40K Immortal dsDNA, 20-40K oligos	200 ng
406001	myTags 60K Immortal dsDNA, 40-60K oligos	200 ng



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Custom Designed FISH Libraries
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