



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 probe set 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

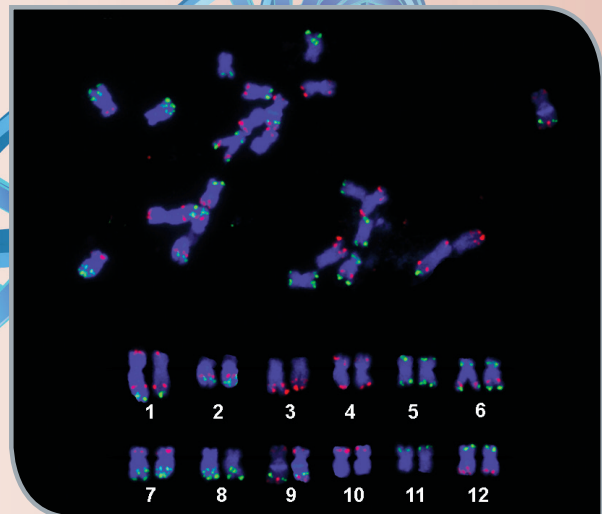
Consistent – Probes designed with normalized T_m for single hybridization profile

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 Probe Sets

Let us prepare custom labeled probes for your unique project. Select from several dye options or multiple fluorophores to enhance your probe signal. Additionally, non-fluorescent hapten conjugates are also available. Single-labeled probe sets 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 2.0 Mb Labeled Probe Set	700 pmol	1
402035	myTags 2.0 Mb Triple Labeled Probe Set	500 pmol	3
404007	myTags 4.0 Mb Labeled Probe Set	700 pmol	1
406007	myTags 6.0 Mb Labeled Probe Set	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
Biotin
Digoxigenin

myTags[®] Immortal Libraries

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

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

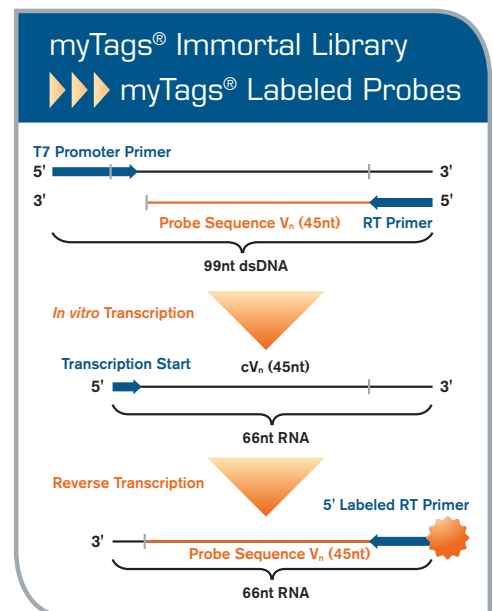
Flexible – Easily try new dyes and labels

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
400201	myTags 180 Kb Immortal Probe Library	200 ng
400401	myTags 400 Kb Immortal Probe Library	200 ng
402001	myTags 2.0 Mb Immortal Probe Library	200 ng



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Custom Designed FISH Probe Sets
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