

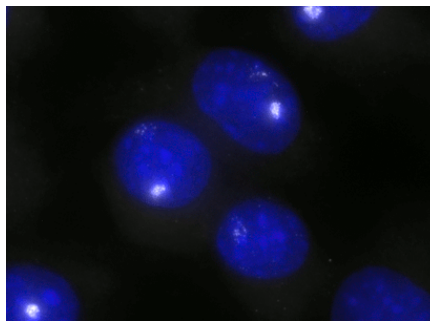


Stellaris® FISH Probes, Mouse Xist with Quasar® 570 Dye

Mouse Xist consists of a set of Quasar® 570-labeled oligos mixed at equal ratios and pooled into a final delivered amount of 1 nmol, which yields approximately 80 hybridizations under standard conditions. Designed to detect Xist transcripts in Mouse specimens using fluorescence in situ hybridization (FISH).

Design Criteria: Product was designed against Mouse X inactive specific transcripts (non-protein coding), Xist, a.k.a. AI314753; A430022B1 (NCBI gene ID: 213742), and the sequence of NR_001570.2 nts 1-8000. The probe set has not been tested for potential cross-hybridization to RNA(s) of paralogous and orthologous gene(s) in the same or other species.

Representative image of mouse Xist RNAs detected with a Quasar 570 dye labeled probe set in Neuro-2a cells



Properties

Absorption Maximum (Lambda Max): 548 nm

Fluorescence Maximum: 566 nm

Product Usage

Additional Information: Please note that reconstituted probe mix should be subjected to a minimum number of freeze-thaw cycles. For daily and short-term use, the mix can be stored at +2 to +8 °C in the dark for up to a month.

For long-term use: We recommend freezing reconstituted probes in the dark at -15 to -30 °C for storage lasting longer than a month.

Protocols: Detailed protocols by sample type can be found here: <https://www.biosearchtech.com/stellarisprotocols>.

Storage & Handling

Storage Conditions: Stellaris FISH Probes are shipped dry and may be stored at +2 to +8°C in this state.



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Patents

The Black Hole Quencher dye technology is protected in the United States and other countries by U.S. patents and continuations numbered 7,019,129, 7,019,129B1, 7,109,312B2, 7,582,432, 8,410,255B2 and 8,440,399B2 issued to Biosearch Technologies, Inc. The CAL Fluor technology is covered by U.S. patent number 7,344,701B2. The Quasar technology is covered by U.S. Patent numbers 7,705,150B2, 7,868, 157B2 and 8,436,153B2. The Pulsar technology is covered by U.S. Patent numbers 7,635,762B2 and 8,119,781B2.

Supercolumns are protected by U.S. Patent 6,761,855 B1, "Column for solid phase processing" issued to Biosearch Technologies, Inc. Contact licensing@biosearchtech.com for more information. Supercolumns for use on ABI 3900 or equivalent rotary cartridge style shoulder mount design are also manufactured under license from McLuen Design, U.S. Patents 8,158,085 and 8,404,196.

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