



## Stellaris® FISH Probes, Mouse Tfrc with Quasar® 570 Dye

Stellaris® FISH Probes, Mouse Tfrc with Quasar® 570 Dye consists of a set of dye-labeled oligos mixed and pooled into a final delivered amount of 5 nmol, which yields approximately 200-400 hybridizations under standard conditions. Designed to detect Tfrc transcripts in specimens using fluorescence in situ hybridization (FISH).

Design Criteria: Product was designed against transferrin receptor Tfrc a.k.a. TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; Mtvr-1; AI195355; AI426448; AU015758; 2610028K12Rik; E430033M20Rik (NCBI gene ID:22042) and nucleotides 165-2456 of NM\_011638.4. This is an inclusive probe set designed to also detect the following variant: XM\_006521999 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.

### 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

**Shipping Conditions:** Ambient

**Storage Conditions:** +2 to +8 °C

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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](mailto: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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