

DATA SHEET
Hsa-miR-520c fluoresceinated oligo probe

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| Catalog No. HM520-100 | Description One vial of 0.650 ml of probe in hybridization buffer |
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Analyte Specific Reagent. Analytical and performance characteristics are not established.

Doc. No. 932-HM520-100

Rev. B

Date of release: 18-Aug-2020

Description

The Hsa-miR-520c probe has been designed from mature human miR-520c sequence. This fluoresceinated probe is provided in a hybridization buffer for localization of miRNA in FFPE tissue by *In Situ* hybridization.

Specifications

The Hsa-miR-520c identifies mature miR-520c sequences in formalin-fixed, paraffin-embedded human tissues and/or freshly prepared frozen tissues by *in situ* hybridization. This probe does not react with normal human mRNA or nuclear DNA present in tissues.

Storage and Handling

Store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. The reagent must be brought to room temperature before use. (Important! The presence of precipitates induces background staining).

Precautions:

For professional use. The probe contains formamide. Formamide is classified as a teratogen. Pregnant workers should keep exposure to a minimum. Avoid inhalation, ingestion, and contact with unprotected skin. If skin contact occurs, wash thoroughly with soap and water. For more information, refer to the Material Safety Data Sheet, which is available upon request.

Quality Control

Each lot of this miRNA probe is tested by *In Situ* hybridization for Quality Control purposes. Refer to the BioGenex Quality Control Testing Conditions table for additional information.

References

1. Qihong Huang, Kiranmai Gumireddy, Mariette Schrier, Carlos le Sage, Remco Nagel, Suresh Nair, David A. Egan, et al. (2008) The microRNAs miR-373 and miR-520c promote tumour invasion and metastasis. *Nature Cell Biology* 10, 202 – 210.
2. Kui Yang, Alina M. Handorean, Kenneth A. Iczkowski (2009). MicroRNAs 373 and 520c Are Downregulated in Prostate Cancer, Suppress CD44 Translation and Enhance Invasion of Prostate Cancer Cells *in vitro*. *Int J Clin Exp Pathol.* 2009; 2(4): 361–369.

BioGenex Quality Control Testing Conditions

| Parameter | Conditions used |
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| Control Tissue | Breast (FB-HM520) |
| Tissue Type | Formalin-fixed, paraffin-embedded cancer tissues |