

**DATA SHEET**  
**Hsa-miR-23a fluoresceinated oligo probe**

<b>Catalog No.</b> <b>HM23a-100</b>	<b>Description</b> 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.**

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Doc. No. 932-HM23A-100

Rev. B

Date of release: 11-Aug-2020

**Description**

The Hsa-miR-23a probe has been designed from mature human miR-23a 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-23a identifies mature miR-23a 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. Tang R and Zen Ke. (2011). Gold glitters everywhere: nucleus microRNAs and their functions. *Front Biol.* 6 (1), 69-75.
2. Liu N, Sun YY, Zhang XW, Chen S, Wang Y, Zhang ZX, Song SW, Qiu GB, Fu WN. (2015). Oncogenic miR-23a in Pancreatic Ductal Adenocarcinogenesis Via Inhibiting APAF1. *Dig Dis Sci.* 60(7), 2000-8.
3. Zhu LH, Liu T, Tang H, Tian RQ, Su C, Liu M, Li X. (2010). MicroRNA-23a promotes the growth of gastric adenocarcinoma cell line MGC803 and downregulates interleukin-6 receptor. *FEBS J.* 277(18), 3726-34.
4. Wang WL1, Yang C, Han XL, Wang R, Huang Y, Zi YM, Li JD. (2014). MicroRNA-23a expression in paraffin-embedded specimen correlates with overall survival of diffuse large B-cell lymphoma. *Med Oncol.* 31(4), 919.
5. Eissa S, Matboli M, Shehata HH. (2015). Breast tissue-based microRNA panel highlights microRNA-23a and selected target genes as putative biomarkers for breast cancer. *Transl Res.* 165(3), 417-27.

**BioGenex Quality Control Testing Conditions**

<b>Parameter</b>	<b>Conditions used</b>
Control Tissue	(FB-HM23A)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues