

**DATA SHEET**  
**Hsa-miR-137 fluoresceinated oligo probe****Catalog No.**  
**HM137-100****Description**  
One vial of 0.650 ml of probe in hybridization buffer**Analyte Specific Reagent. Analytical and performance characteristics are not established.**

Doc. No. 932-HM137-100

Rev. B

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**Description**

The Hsa-miR-137 probe has been designed from mature human miR-137 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-137 identifies mature miR-137 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 micro RNA 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. Xiao J, Peng F, Yu C, Wang M, Li X, Li Z, Jiang J, Sun C. (2014) microRNA-137 modulates pancreatic cancer cells tumor growth, invasion and sensitivity to chemotherapy. *Int J Clin Exp Pathol.* 7(11):7442-50.
2. Hao S, Luo C, Abukiwan A, Wang G, He J, Huang L, Weber CE, Lv N, Xiao X, Eichmüller SB, He D.(2015) miR-137 inhibits proliferation of melanoma cells by targeting PAK2. *Exp Dermatol.* 24(12):947-52
3. Smith AR, Marquez RT, Tsao WC, Pathak S, Roy A, Ping J, Wilkerson B, Lan L, Meng W, Neufeld KL, Sun XF, Xu L. (2015). Tumor suppressive microRNA-137 negatively regulates Musashi-1 and colorectal cancer progression. *Oncotarget.* 6(14):12558-73.

**BioGenex Quality Control Testing Conditions**

<b>Parameter</b>	<b>Conditions used</b>
Control Tissue	TCC (FB-HM137)
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues