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DATA SHEET
Hsa-miR-155 fluorescenated oligo probe

Catalog No.	**Description**
HM155-100	One vial of 0.650 ml of probe in hybridization buffer

Analyte Specific Reagent. Analytical and performance characteristics are not established.

Doc. No. 932-HM155-100 Rev:C
Date of release: 13-Aug-2020

Description
The Hsa-miR-155 probe has been designed from mature human miR-155 sequence. This fluorescenated probe is provided in a hybridization buffer for localization of miRNA in FFPE tissue by *In Situ* hybridization.

Specifications
The Hsa-miR-155 identifies mature miR-155 sequences in formalin-fixed, paraffin-embedded human tissues and 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 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. Ryu et al. Aberrant MicroRNA-155 expression is an early event in the multistep progression of pancreatic adenocarcinoma. Pancreatology 10, 66-73 (2010).
2. Donnem T. et al. Prognostic Impact of MiR-155 in Non-Small Cell Lung Cancer Evaluated by in Situ Hybridization. Journal of Translational Medicine 9, 6 (2011).
3. Kloosterman WP et al. *in situ* detection of miRNAs in animal embryos using LNA-modified oligonucleotide probes. Nature Methods 3, 27 – 29 (2006).
4. Wheeler G. et al. *In situ* detection of animal and plant microRNAs. *DNA Cell Biol*, **26**, 251–255 (2007).
5. Nuovo GJ. In situ detection of precursor and mature microRNAs in paraffin embedded, formalin fixed tissues and cell preparations. Methods 44(1), 39–46 (2008).
6. Song R. et al. *In situ* hybridization detection of microRNAs. Methods Mol Biol. 629, 287-94 (2010)

BioGenex Quality Control Testing Conditions

Parameter	Conditions used
Control Tissue	HODGKINS LYMPHOMA (FB-HM155).
Tissue Type	Formalin-fixed, paraffin-embedded cancer tissues