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Enterococcus faecalis 16s rRNA-RNAveu Probe

Catalog No	Description
FR111-20	0.22 mL of ready-to-use oligo-conjugated mRNA probe*
CP201-20	0.22 mL of complementary probe conjugated with FAM fluorophore*

* For 18×18 slides, addition of 10 µL probe is recommended.

Intended Use

For Research Use only. This RNAveu probe is designed for the specific localization of 16s rRNA of *E. faecalis* in formalin-fixed, paraffin embedded (FFPE) tissue sections. Interpretation of results must be done by experienced personnel.

Summary and Explanation

Globally, colorectal cancer (CRC) is the third most prevalent cancer and the fourth most common cause of cancer-related mortality. There is growing recognition of the link between gut microbiome and the development and incidence of CRC. Microbial imbalance influences the pathological processes of CRC, including immune response, apoptosis, and cell proliferation. The gastrointestinal tract and oral cavity are home to the facultative anaerobic, gram-positive *E. faecalis* bacteria. According to a recent study, CRC patients' stool and surrounding tissues had higher levels of this bacterium. Furthermore, this functions as a "driver bacteria" in the incidence and progression of CRC and can advance the disease by causing inflammation and facilitating the accumulation of extra mutations and epigenetic modifications.

Storage and Handling

Store at -20 °C. Allow the reagents to reach ambient temperature before use.

Recommended Protocol

Manual:
https://omicsveu.com/wpcontent/uploads/Brochures/914-0083.0.pdf
Automation:
https://omicsveu.com/wpcontent/uploads/Brochures/914-0082.0.pdf
For more information:
https://omicsveu.com/wp-content/uploads/Brochures/914-0084.0.pdf

Bibliography

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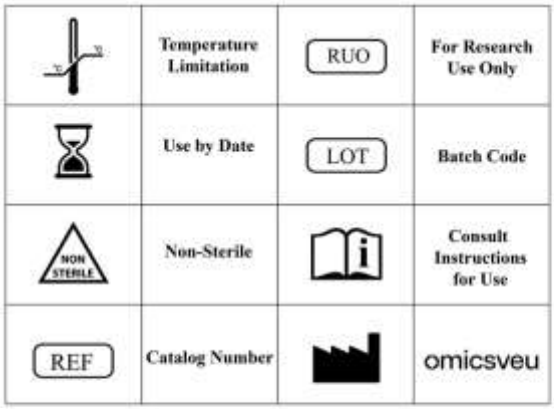

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