



CABR™ Bacterial Probes

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With well-established microbial specificity for periodontal diseases, having a valid microbial diagnostic test for correct and coherent treatment planning becomes essential. DNA probes can be used to identify and quantify oral pathogens that are most commonly associated with periodontitis. Oligodeoxynucleotide probes have been developed to identify periodontal bacteria, including *Actinobacillus actinomycetemcomitans*, *Bacteroides gingivalis*, *B. intermedius types I and II*, *B. forsythus*, *Eikenella corrodens*, *Fusobacterium nucleatum*, *Haemophilus aphrophilus*, *Streptococcus intermedius*, and *Wolinella recta*.

FISH probes were generated by sequencing the 16S rRNA for each bacterium, identifying hypervariable regions, and chemically synthesizing species-specific probes. These probes were specific when tested against a panel of nucleic acids from closely related bacteria.

Our specialists have developed a more rapid identification assay using species- or genus-specific probes. **Creative Bioarray is well recognized as an expert in FISH technologies for a broad range of project objectives. With years of experience, our scientists can offer high-quality FISH analysis of microorganisms to meet your demands.**

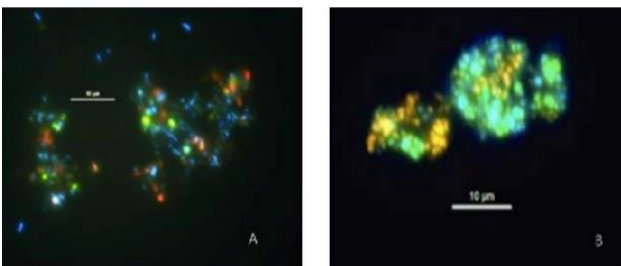


Fig 1. *Methanolobus* spp. (orange) and other members of Archaea (green) in CIB-1

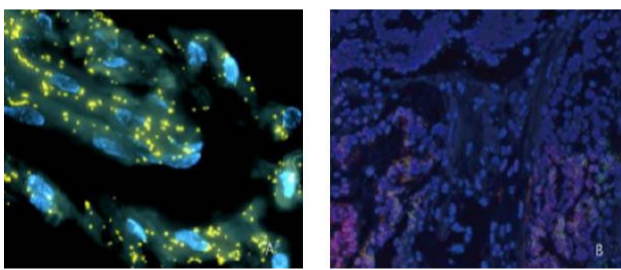


Fig 2. FISH detection of *Wolbachia* (yellow) on FFPE sections of insect testes; CRC specimen triply stained with DAPI, EUSO and EUB338. Cell nuclei (blue), bacterial conserved regions (green) and *F. nucleatum* specific regions (red)

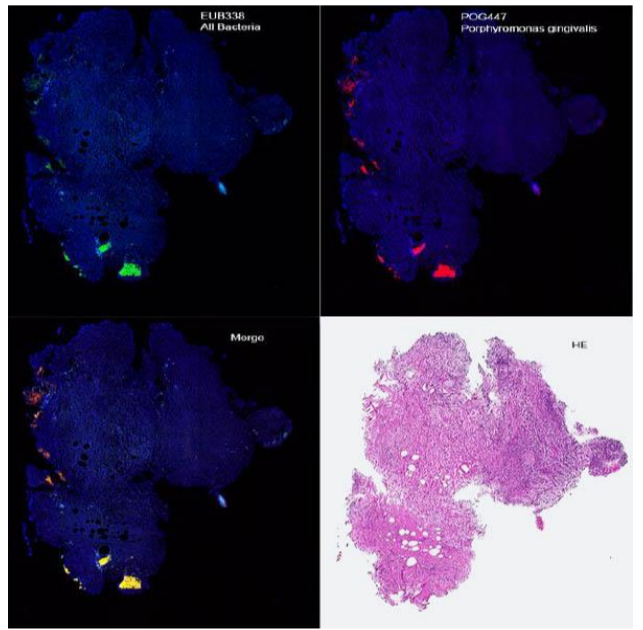


Fig 3. 2 kinds of bacterial FISH probes to detect all bacteria and *Porphyromonas gingivalis*

CABR™ Catalog, Bacterial Probes

Cat No.	Product Name	The Identification of Microbes
FBPC-10	EUB338 Probe	Most bacteria; Sequence: GCTGCCTCCCGTAGGAGT
FBPC-13	NON338 Probe	Negative control; Sequence: ACTCCTACGGGAGGCAGC
FBPC-11	EUB338 II Probe	The identification of microbes: Planctomycetales; Sequence: GCAGCCACCCGTAGGTGT
FBPC-23	GAM42a Probe	γ-Proteobacteria; Sequence: GCCTTCCCACATCGTTT
FBPC-565	BAC303 Probe	Most bacteroidaceae and Prevotellaceae, some Porphyromonadaceae
FBPC-100	Amx820 Probe	Anaerobic ammonium-oxidizing bacteria, Candidatus Brocadia anammoxidansapos and Candidatus Kuenenia stuttgartiensisapos
FBPC-21	BET42a Probe	β-Proteobacteria; Sequence: GCCTTCCCCTTCGTTT

For more Bacterial Probes, please [visit our website](#).

Creative Bioarray offers Bacterial FISH Probes and Custom FISH Services for your scientific research!

With many years of experience specializing in FISH probes and FISH services, we have supported thousands of projects globally. Each project is individually tailored and managed by our team of scientists, specialists, board certified pathologists, and data experts.

[Contact us to Learn More](#)

For more details, please visit our website. www.creative-bioarray.com



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