



Creative Bioarray

CABR™ Bacterial Probes

CABR™ Bacterial Probes

Since the microbial specificity of periodontal diseases is well established, having a valid microbial diagnostic test is essential for a correct and a coherent treatment planning. DNA probe will be used to identify and quantify the oral pathogens, most commonly associated with periodontitis. Oligodeoxynucleotide probes have been developed for identification of the periodontal bacteria *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 designed 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 from **Creative Bioarray** have developed a more rapid identification assay using species- or genus-specific probes. **Creative Bioarray is one of the well-recognized experts who is professional in FISH technologies for a broad range of project objective. With years of experience, our scientists can offer high-quality FISH analysis of microorganisms to meet your demands.**

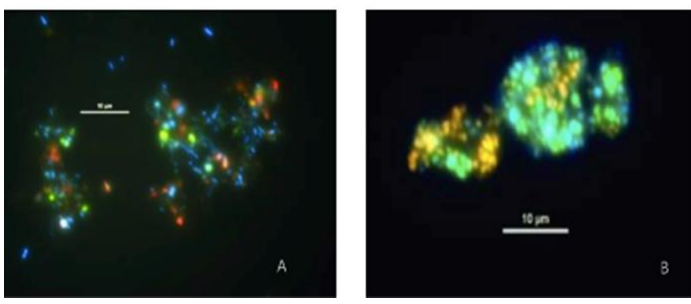


Fig 1. *Methanolobus* spp. (orange) and other members of Archaea (green) in CIB-1

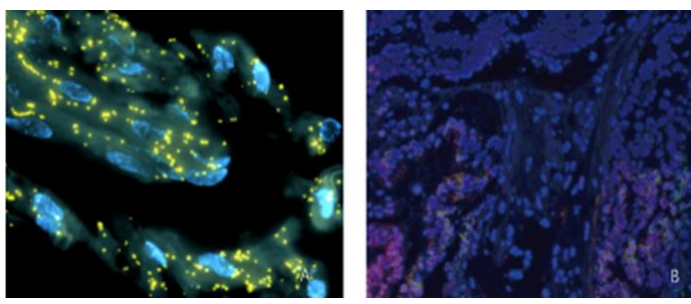


Fig 2. FISH detection of *Wolbachia* (Yellow) on FFPE sections of testes of insects; CRC specimen triply stained with DAPI, EUSO and EUB338. Cell nuclei (in blue), bacterial conserved regions (in green) and *F. nucleatum* specific regions (in red)

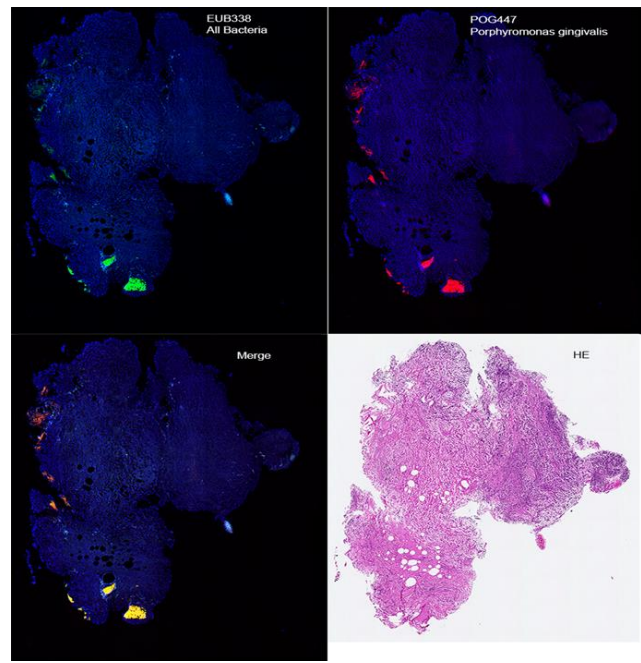


Fig 3. 2 kinds of bacterial FISH probes to detect all bacteria and *Porphyromonas gingivalis*

CABR™ Bacterial Probes Catalogue

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, <i>Candidatus Brocadia anammoxidans</i> and <i>Candidatus Kuenenia stuttgartiensis</i>
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 in the United States and 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



USA Add: 45-1 Ramsey Road, Shirley, NY 11967, USA | Tel: 1-631-626-9181 | Fax: 1-631-614-7828

Europe Tel: 44-208-123-7131

Email: info@creative-bioarray.org | Web: www.creative-bioarray.org