# Olomode®





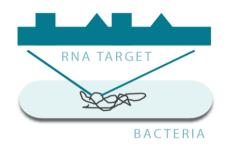




1 What we do?



### 2 How we do it? PNA FISH







#### **TARGET**

Bacterial rRNA

Identification of unique rRNA sequence of the target bacteria

#### **PROBE**

**PNA Probe Molecule** 

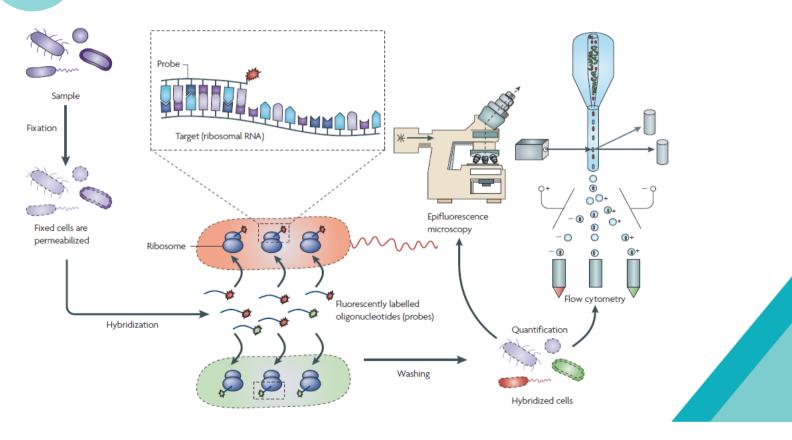
Design of specific PNA probes complementary to the target RNA

#### **HYBRIDIZATION**

Probe + Target rRNA

Fast binding to the targeted pathogen emitting a fluorescent signal

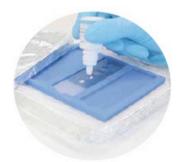
#### 3 Technology 4 Steps



### 4 Technology 4 Steps



Step 1 Fixation



Step 2 Hybridization



Step 3 Washing

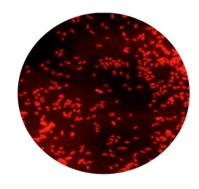


Visualization

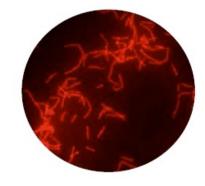
Results in less than 3 hours\*

\*After a pre-enrichment step

## 5 Outcome

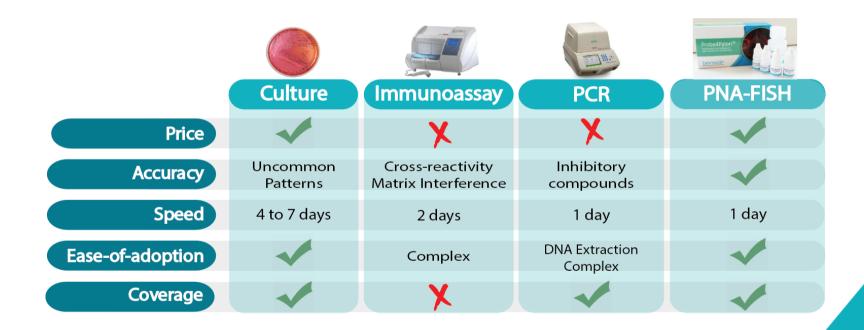


**Probe4Salmonella**Identification of *Salmonella* spp.
Limit of detection: 1 CFU/25g of sample



**Probe4Monocytogenes**Identification of *Listeria monocytogenes*Limit of detection: 1 CFU/25g of sample

#### 6 Advantages PROBE4SERIES



#### 7 Food Safety Products

Probe4Cronobacter

Detection of *Cronobacter* spp. in Powder Infant Formula

Probe4Salmonella

Detection of *Salmonella* spp. with 100% specificity and sensitivity

Probe4Monocytogenes

Detection of *Listeria monocytogenes* with 100% specificity and sensitivity





### 8 Food Safety Products

- Probe4EcO157
- Probe4Vibrio
- Probe4Campylobacter

Products under development



#### 11 Other Products Services

- Health Sector Probe4Pylori (detection of *H. pylori* and its clarithromycin resistance profile in gastric biopsies)
- Custom made solution for pathogen detection (under an IP agreement)
- Kits for research use only (more cost effective than those complying with IVD regulations)
- Different versions of the products: for microscopy or for flow cytometry
- FISH solutions ready to use
- Production under ISO 13485

