Pilot Gene Digital PCR
BSI dx without blood culture

- New tool for improved treatment & use of antibiotics
- Lower ICU costs

AP10 & Automated Digital PCR System AD3207

2 ml plasma

Automated extraction and
PCR setup system **AP10**

Automated Digital PCR System
AD3207

Report Output

Nucleic acid extraction
+
PCR setup
+
PCR mix transfer to chip

Droplet generation
+
PCR Amplification
+
Chip scanning & analysis

BSI Detection Kit

Detection of mcfDNA in plasma

Four Panels of 20 Targets

P01 Common Bacteria	P02 Pathogenic Microorganisms	P03 Pathogenic Microorganisms	P06 Drug-Resistance Genes
• *Pseudomonas aeruginosa* • *Escherichia coli* • *Klebsiella pneumoniae* • *Acinetobacter baumannii*	*Staphylococcus aureus* *Enterococcus:* ** Enterococcus faecalis* ** Enterococcus faecium* *Candida:* **Candida albicans* **Candida glabrata* **Candida parapsilosis* **Candida tropicalis* **Candida krusei* *Streptococcus:* **Streptococcus pneumoniae* **Streptococcus anginosus* **Streptococcus pyogenes* **Streptococcus mitis* **Streptococcus agalactiae*	*Stenotrophomonas maltophilia* *Enterobacter cloacae* *Proteus mirabilis* *Serratia marcescens* *Coagulase-negative staphylococci:* ** Staphylococcus epidermidis* ** Staphylococcus hominis* ** Staphylococcus cephalae* ** Staphylococcus haemolyticus* ** Staphylococcus lugdunensis* ** Staphylococcus warneri*	• *KPC* • *mecA* • *OXA-48 NDM/IMP* • *VanA/VanB*

BSI detection CE-IVD

Detect pathogens and AMR targets in 3 hours directly from blood.

A tool for decreasing the hospital costs (days in ICU), improved treatment & use of antibiotics?

Many papers, showing:

- Improved and faster detection of pathogens
- Dynamic monitoring
- Detecting polymicrobial infections
- High sensitivity for patients under treatment
- Less blood needed

Absolute quantification

High sensitivity

High stability