Unyvero’s sample-to-answer platform provides rapid results for severe infectious diseases in hospitalized patients.

Powerful multiplex PCR technology combined with the broadest range of microorganism and resistance targets sets the Unyvero System apart.

The Unyvero System consists of:
- **Lysator** to lyse and process a variety of native samples
- **Cockpit** to manage testing process, display, store, and transmit results
- **Analyzer** to perform DNA testing with random-access, multiplex PCR

A single test handles one patient sample, analyzes over 100 DNA analytes and delivers reliable results within just 4-5 hours.

Unyvero is designed to expand with your growing needs.

Applications for severe infections:
- Blood Culture – BCU
- Hospitalized Pneumonia – HPN
- Implant & Tissue Infection – ITI
- Intra-Abdominal Infection – IAI
- Urinary Tract Infection – UTI

Intra-Abdominal Infection

Leading the way to improve patient outcomes
Intra-abdominal infections (IAI) are often associated with poor prognosis, particularly in high-risk patients.

- Early clinical diagnosis and appropriate antimicrobial therapy are essential in the management of intra-abdominal infections.
- Conventional microbiology methods can take 1-4 days and diagnosis of anaerobic bacteria up to 14 days.
- Delayed or inadequate antimicrobial therapy is associated with poorer outcomes and increased death.
- Global antibiotic resistance continues to rise steadily.

IAI is the second most common identified cause of sepsis in the intensive care unit.

Faster detection enables earlier optimization of therapy.

The Unyvero IAI Application simultaneuously detects a large panel of bacteria, fungi, toxin and antibiotic resistance markers directly from IAI samples.

Clinical evidence demonstrates the benefits provided by the Unyvero solution.

**Study 1**

- CE Performance evaluation study.
- Number of samples: 332 culture-positive samples.
  - Sample types: Ascites, bile, drainage fluid, pancreatic juice, peritoneal fluid, pus, septic, septic positive blood cultures incoculated with anaerobe.
  - Additional identification: Additional potential pathogens were detected in 332 cases.
  - Additional information: Of these, 62 samples (19%) also positive for 86 samples.
  - Improved microorganism detection: Of these, 62 samples (19%) also positive for 86 samples.

**Study 2**


**Workflow**

- Easy
- Multiple Sample Types
- 24/7 Results

**Sample Types**

- Universal Bacteria
- Non-Fermenting Bacteria
- Gram-positive Bacteria

**Results**

- 91.2% Sensitivity
- 99.5% Specificity

**Gene Resistance**

- tcd
- ctx
- van
- mec
- mcr
- A3
- tet
- qnr
- B
- B
- sae
- sef
- esp
- ebp
- ebp
- ebp
- stx
- spc
- mxa
- fop
- vault
- m7
- m6
- m5

**Time Saving**

- Using Unyvero, the average time to results was reduced by 17h compared to identification results.
  - 17 hours saved
  - Using Unyvero, the average time to results was reduced by 41h compared to full AST results.
  - 41 hours saved