





Blood stream infection (sepsis)

20% of all deaths

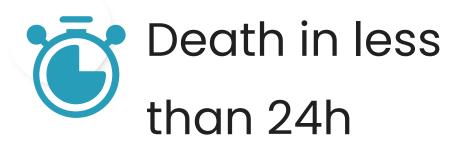
of all harm from misdiagnosis

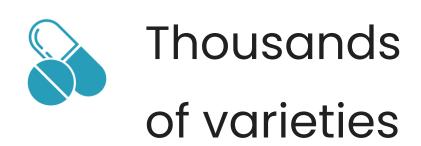
€53B

cost to medicare



The difficulty of treating sepsis



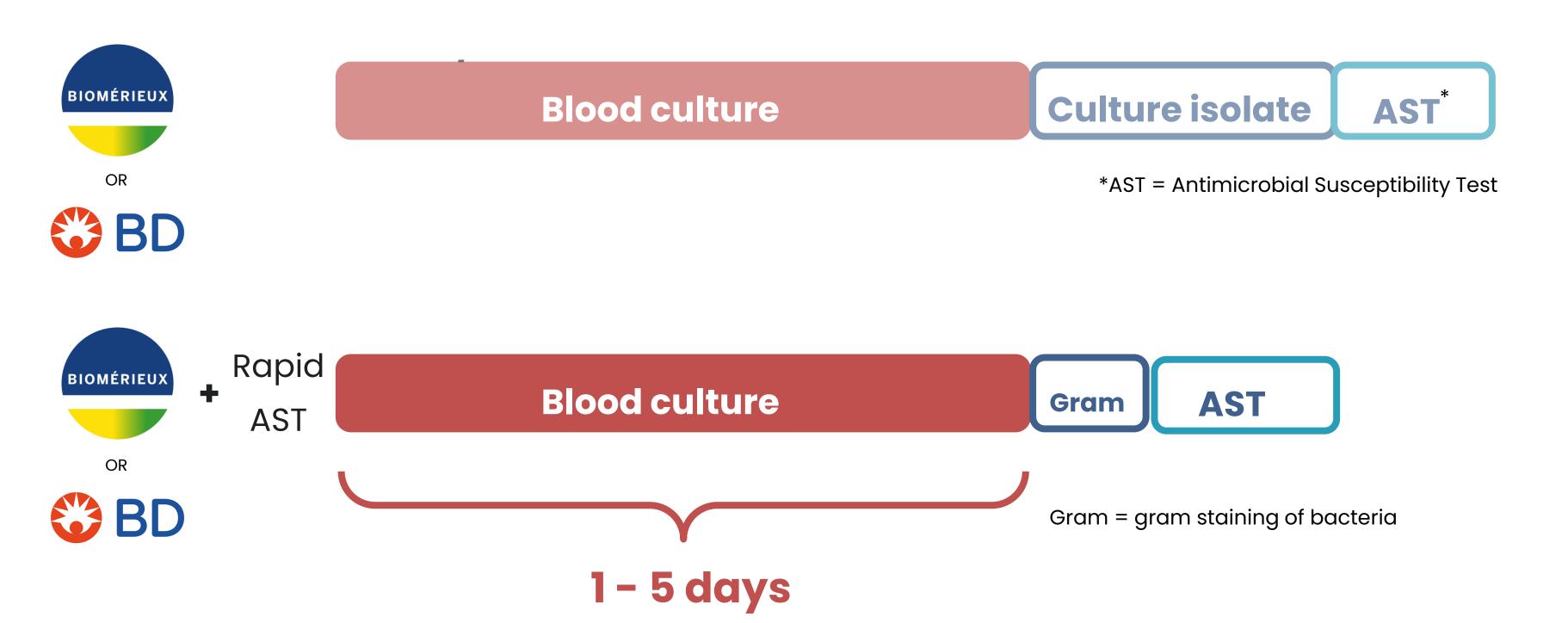




Long detection time

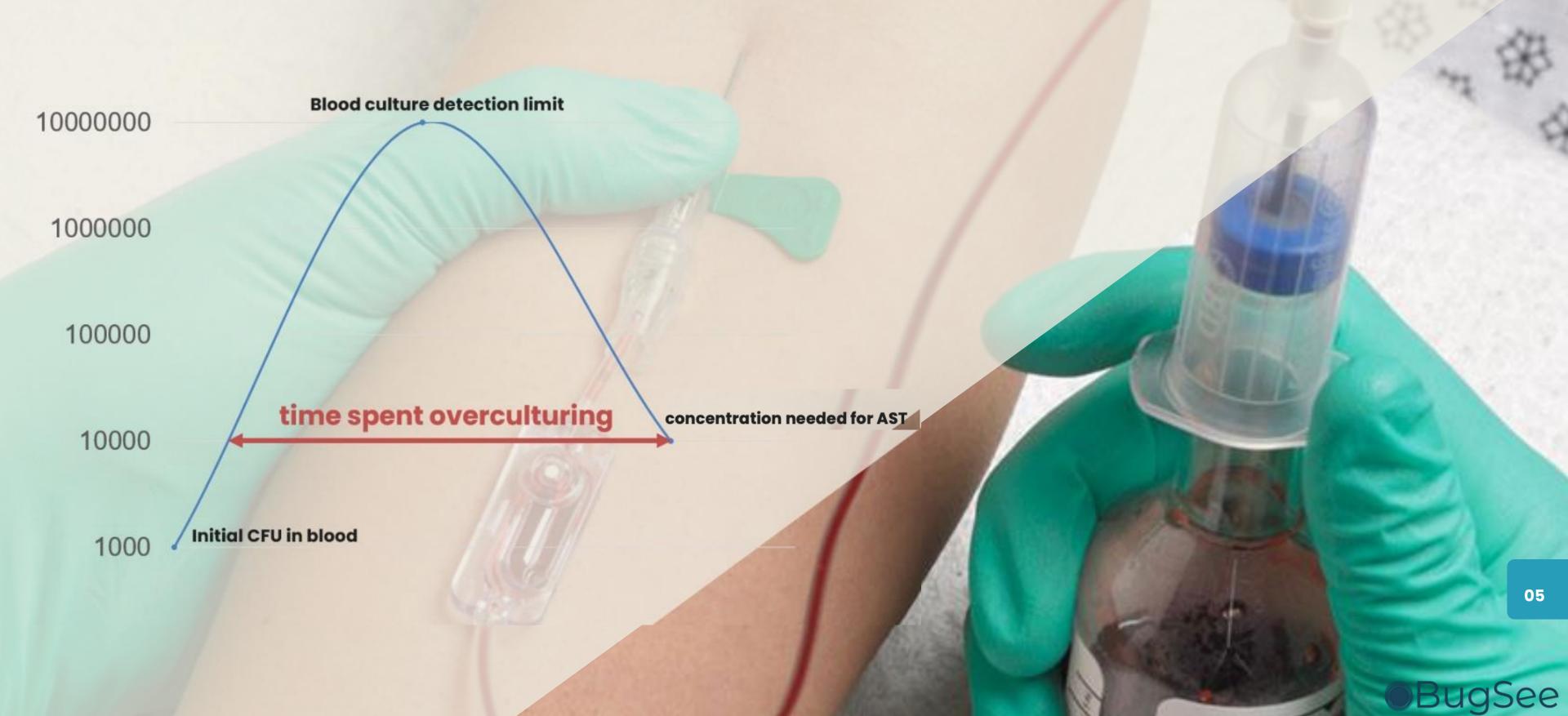


up to 6 days to targeted treatment, while 40-75% spent on blood culturing

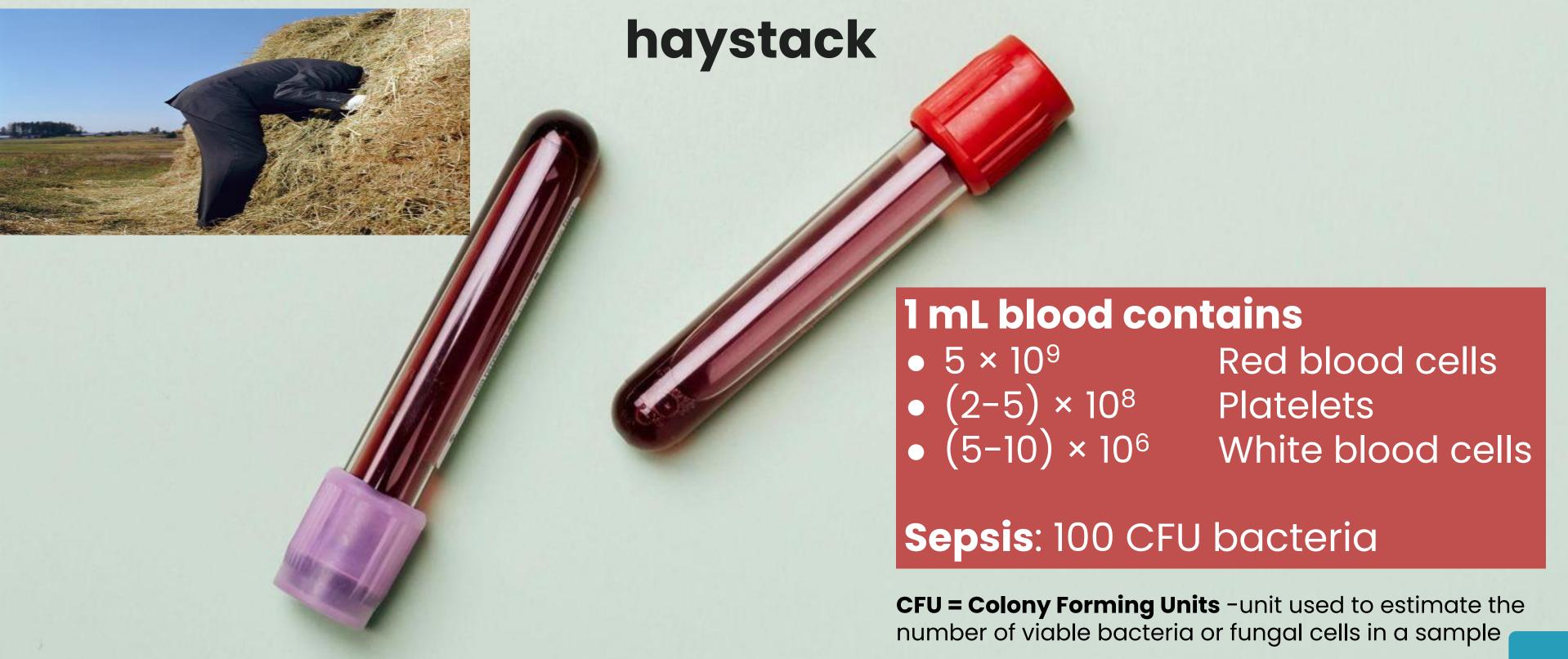




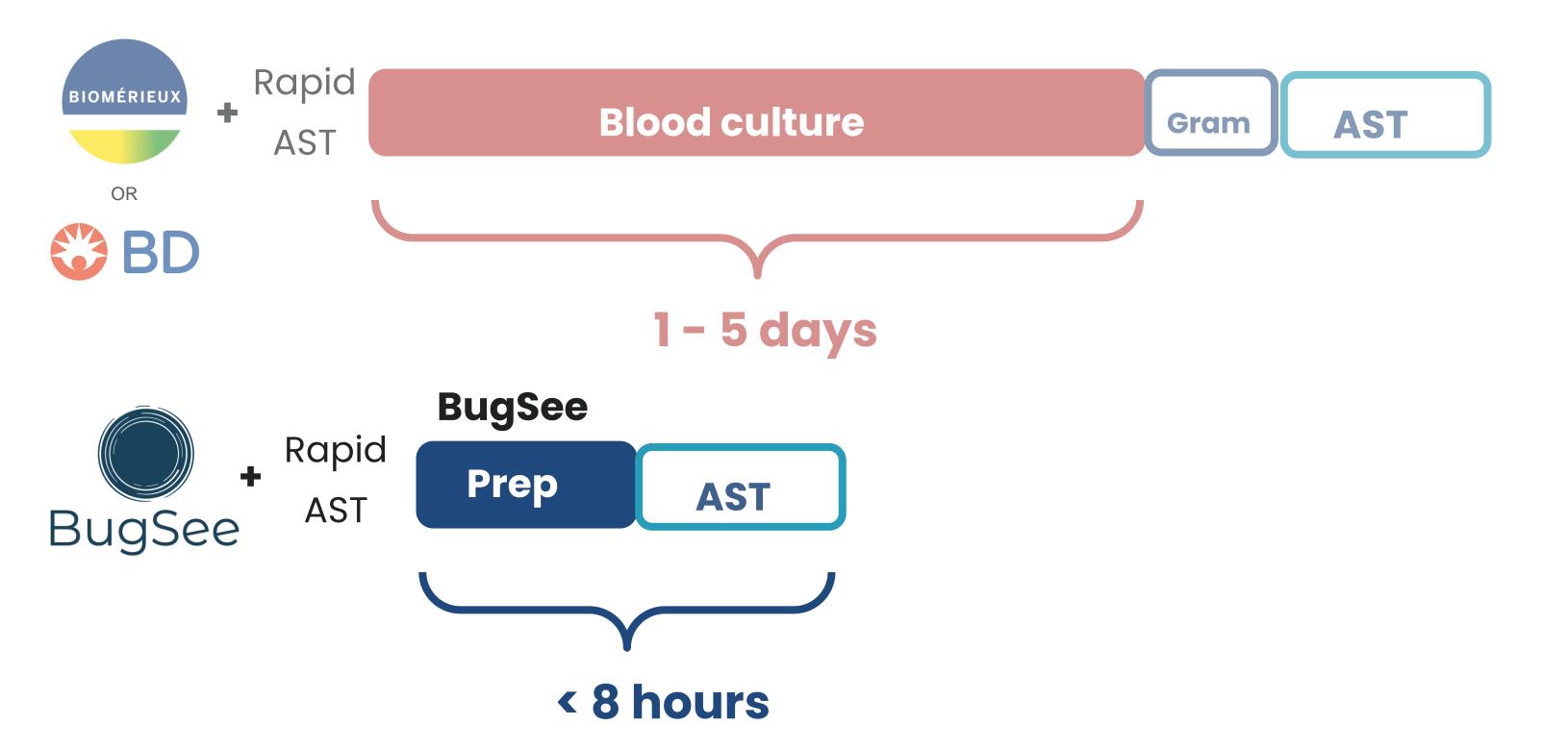
Blood culture speed is constrained by bacterial growth and detection limits in the bottles



The problem; finding a needle in a

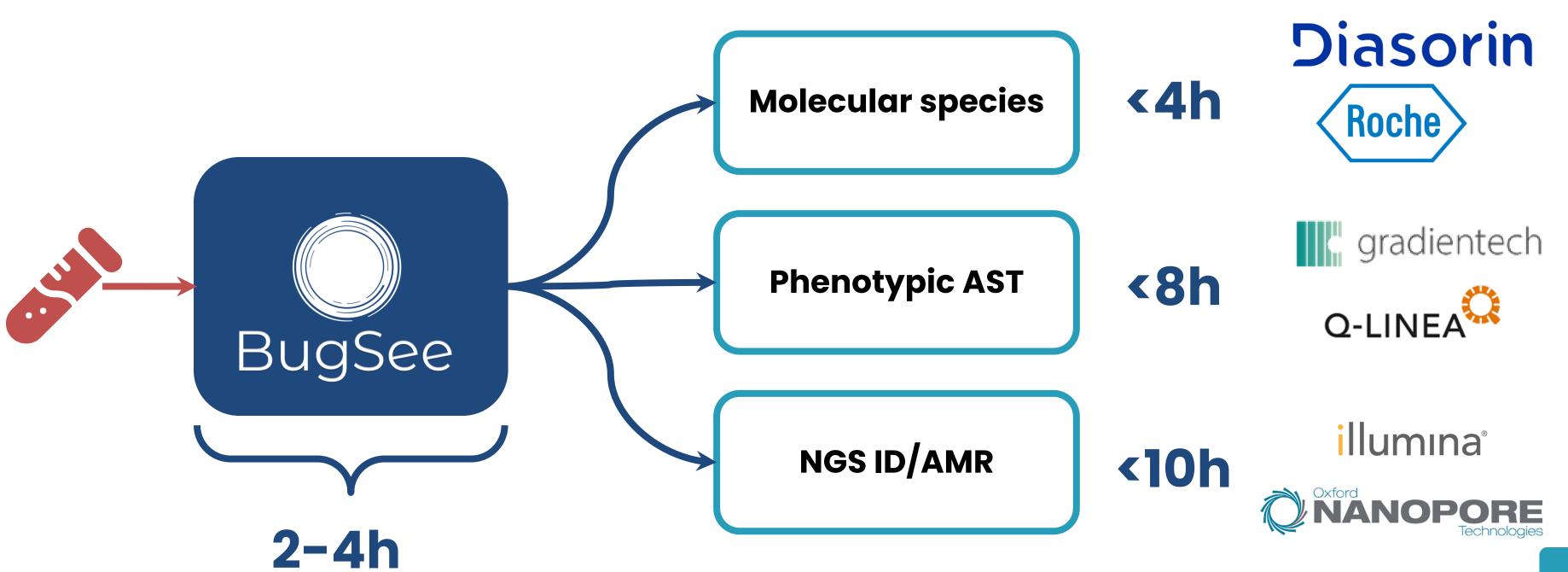


BugSee's macro-to-micro solution unlocks 10.000x more sensitivity, saving days of culturing



Enabling novel diagnostic platforms to provide

same-day results



Our unique components, developed over **15 years** of research, and **4 EU-projects**



Selective lysis of cells



Size-based separation



Hypersensitive detection



Automated postprocessing







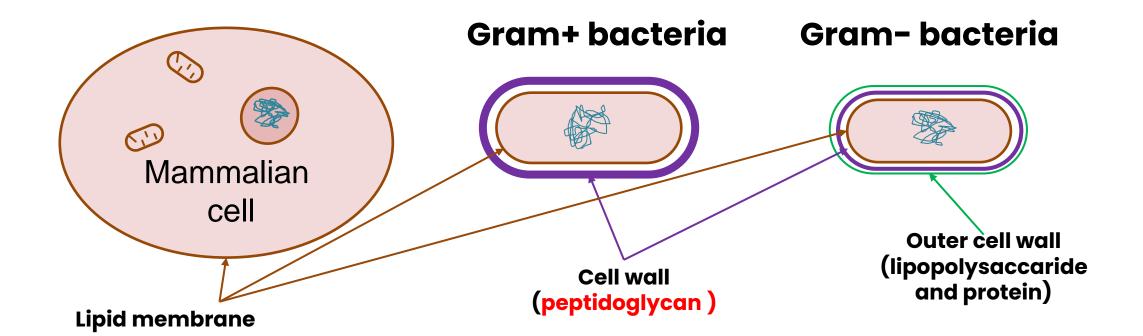


Burning the haystack; selective lysis - breaking down mammalian cells, keeping bacteria alive

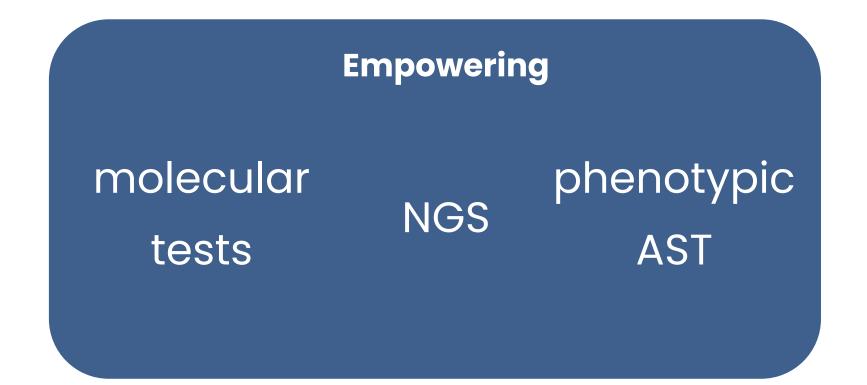
BugSee solution – eliminating the need for extended culturing time



Debri size < pore of standard filter



How we fit in the existing microbiology industry



Replacing

blood culture blood culture processing

(+ downstream test) alternative to

early sepsis whole blood

indicator genetic tests

Patent portfolio

Technology	Filing date	Patent status	Patent number
Selective lysis of cells	19 May 2021	In EU & US national phase	WO-2022245272-A1
Hypersensitive detection	19 May 2021	In EU & US national phase	WO-2022245272-A1
Size-based separation	28 May 2024	Priority filed	2430301-8
Automated post- processing	2025*	Patent development in progress	tba

2-in-1
patent



Go-to-market: 1) sterility test > 2) sepsis sample prep > 3)

integrate AST

Customers



CGT production

Pharma, CMO, QA/QC labs

Product



Rapid sterility tests

Value proposition



Sterility in <4 hours

Revenue model



Instr. + consumables

60m€ market



Go-to-market: 1) sterility test > 2) sepsis sample prep > 3)

integrate AST

Customers



Product



Value proposition



Revenue model



CGT QA/QC

Pharma, CMO, QA/QC labs

Rapid sterility tests

Sterility in <4 hours

Microbiologists

Clinical and laboratory microbiologists

Pathogen enrichment

Simplified process

Instr. + consumables

60m€ market

Instr. + consumables

200m€ market



Go-to-market: 1) sterility test > 2) sepsis sample prep > 3)

integrate AST

Customers



Product



Value proposition



Revenue model



CGT QA/QC

Pharma, CMO, QA/QC labs

Rapid sterility tests

Sterility in <4 hours

Microbiologists

Clinical and laboratory microbiologists

Pathogen enrichment

Simplified process

Acute care

ICU and emergency wards

Point of Care AST

Avoid ICU stays

Instr. + consumables

60m€ market

Instr. + consumables

200m€ market

License + consumables

400m€ market



Team: cross-over between

science & business



Aman Russom
CTO, inventor,
sepsis KOL



Gerard van Smeden
CEO



Ana Catarina



Ole Henrik Bang-Andreasen

Financial advisor (investor)



Daniel Carlsson

IP advisor (investor)









Noa Lapins
Lab technician



Kenia Chavez
PostDoc



Nisha Nanya Research support



Funding secured for PoC in 2025, raising 1m€ for 2026

Proof-of-Concept

- √ Expand patent portfolio
- √ Proof scalability
- √ Create first prototype
- √ Pre-clinical validation

Clinical trials & certification

- √ Get IVDR approval
- Expand clinical evidence
- √ Publish performance papers
- Start distribution partnerships
- √ Raise seed round

2009 - 2024 2025 2026 - 2027 2028 - 2030 2031 +

Scientific exploration

- Select best foundational tech
- √ Build industrial network
- √ Secure IP
- √ 1M€ funding for PoC and validation secured

Product refinement

- √ Sell sterility tests
- Expand clinical evidence
- √ Finalize design
- ✓ Initiate tech-integration partnerships
- √ Raise pre-seed

Commercialization

- Sell directly to leading hospitals
- √ Sell through distributors
- √ Sell through integrated tech
- √ Raise series A+
- Develop add-on technologies

