

Company presentation

Life Science Conference 2021-04-21

Dr. Jonas Jarvius, CEO & President

Anders Lundin, CFO/IR



Q-LINEA 

Disclaimer

THIS PRESENTATION AND ITS CONTENTS ARE CONFIDENTIAL AND ARE NOT FOR RELEASE, PUBLICATION OR DISTRIBUTION, IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, IN OR INTO OR FROM THE UNITED STATES OF AMERICA, CANADA, AUSTRALIA, JAPAN OR ANY OTHER JURISDICTION WHERE SUCH DISTRIBUTION IS UNLAWFUL.

This presentation has been prepared and issued by and is the sole responsibility of Q-linea AB (the "Company") and is being furnished to each recipient solely for its own information and in connection with the preliminary discussions in relation to the Company. For the purposes of this disclaimer, "presentation" means these slides, their contents or any part of them, any oral presentation, any question or answer session and any written or oral materials discussed or distributed during the presentation meeting.

This presentation may not be copied, passed on, reproduced or redistributed, directly or indirectly, in whole or in part, or disclosed by any recipient, to any other person (whether within or outside such person's organisation or firm), and it may not be published anywhere, in whole or in part, for any purpose or under any circumstances. It is expressly forbidden to disclose the information in this presentation to any other person.

This presentation reflects the situation/information as of the date hereof and has not been independently verified and no representation or warranty, express or implied, is given by or on behalf of the Company, Carnegie Investment Bank AB (publ) (the "Manager"), any of their respective affiliates or any of such persons' respective directors, officers, employees, agents, affiliates or advisers as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of the information or opinions contained in this presentation and no responsibility or liability is assumed by any such persons for such information or opinions or for any errors, omissions or misstatements contained herein.

This presentation contains summary information only and does not purport to be comprehensive and is not intended to be (and should not be used as) the sole basis of any analysis or other evaluation. The information set out in this presentation may be subject to updates, revisions, verifications and amendments without notice and the information may thus change materially. None of the Company, the Manager, any of their respective affiliates or any of such persons' respective directors, officers, employees, agents, affiliates or advisers is under an obligation to update or keep current the information contained in this presentation or to provide the recipient with access to any additional information that may arise in connection with it, and any opinions expressed in this presentation are subject to change without notice and none of them will have any liability whatsoever (in negligence or otherwise) for any loss whatsoever arising from any use of this presentation or otherwise arising in connection with this presentation.

This presentation does not constitute or form part of, and should not be construed as, any offer, invitation, solicitation or recommendation to purchase, sell or subscribe for any securities in any jurisdiction and neither the issue of the information nor anything contained herein shall form the basis of or be relied upon in connection with, or act as an inducement to enter into, any investment activity. This presentation does not purport to contain all of the information that may be required to evaluate any investment in the Company or any of its securities and should not be relied upon to form the basis of, or be relied on in connection with, any contract or commitment or investment decision whatsoever.

This presentation is intended to present background information on the Company, its business and the industry in which it operates and is not intended to provide complete disclosure upon which an investment decision could be made. The merit and suitability of an investment in the Company should be independently evaluated and any person considering such an investment in the Company is advised to obtain independent advice as to the legal, tax, intellectual property, accounting, financial, credit and other related advice prior to making an investment. The Company has not decided whether to proceed with any transaction.

To the extent available and unless otherwise explicitly stated, the industry and market data contained in this presentation has come from official or third-party sources. Third party industry publications, studies and surveys generally state that the data contained therein has been obtained from sources believed to be reliable, but that there is no guarantee of the accuracy or completeness of such data. While the Company believes that each of these publications, studies and surveys has been prepared by a reputable source, the Company has not independently verified the data contained therein. In addition, certain of the industry and market data contained in this presentation originates from the Company's own internal research and estimates based on the knowledge and experience of the Company's management in the market in which the Company operates. While the Company believes that such research and estimates are reasonable and reliable, they, and their underlying methodology and assumptions, have not been verified by any independent source for accuracy or completeness and are subject to change without notice. Accordingly, undue reliance should not be placed on any of the industry or market data contained in this presentation.

This presentation is only addressed to and directed at persons in member states of the European Economic Area ("EEA") who are qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive (Directive 2003/71/EC), as amended ("Qualified Investors"). In addition, in the UK, this presentation is addressed to and directed only at Qualified Investors who are persons who have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the "Order"), are persons who are high net worth entities falling within Article 49(2)(a) to (d) of the Order or are persons to whom it may otherwise lawfully be communicated (all such persons being referred to as "relevant persons").

This presentation must not be acted on or relied on in the UK by persons who are not relevant persons and in any member state of the EEA other than the UK by persons who are not Qualified Investors. Any investment or investment activity to which this presentation relates is available only to relevant persons in the UK and Qualified Investors in any member state of the EEA other than the UK and will be engaged in only with such persons.

This presentation and the information contained herein are not an offer of securities for sale and are not for publication or distribution in the US or to persons in the US (within the meaning of Regulation S under the US Securities Act of 1933, as amended (the "Securities Act")), or any other jurisdiction where such distribution or offer is unlawful, except to qualified institutional buyers ("QIBs") as defined in Rule 144A under the Securities Act ("Rule 144A"). The Company does not intend to conduct a public offering of any securities in the US and the securities of the Company have not been and will not be registered under the Securities Act and may not be offered or sold in the US without registration except to QIBs in reliance on Rule 144A or another exemption from, or in transactions not subject to, the registration requirements of the Securities Act. Subject to certain limited exceptions, neither this presentation nor any copy of it may be taken, transmitted or distributed, directly or indirectly, into the US, its territories or possessions. Any failure to comply with the foregoing restrictions may constitute a violation of US securities laws.

Certain statements in this presentation may constitute forward-looking statements, beliefs or opinions, including statements with respect to the Company's business, financial condition and results of operations. These statements reflect the Company's beliefs and current expectations and involve risk and uncertainty because they relate to events and depend on circumstances that will occur or may change in the future are based on numerous assumptions regarding the Company's present and future business strategies and the environment the Company will operate in and are subject to risks and uncertainties that may cause actual results to differ materially. Forward-looking statements involve inherent known and unknown risks, uncertainties and contingencies because they relate to events and depend on circumstances that may or may not occur in the future and may cause the actual results, performance or achievements of the Company to be materially different from those expressed or implied by such forward looking statements. Many of these risks and uncertainties relate to factors that are beyond the Company's ability to control or estimate precisely, such as future market conditions, currency fluctuations, the behaviour of other market participants, the actions of regulators and other factors such as the Company's ability to continue to obtain financing to meet its liquidity needs, changes in the political, social and regulatory framework in which the Company operates or in economic or technological trends or conditions. As a result, you are cautioned not to place undue reliance on such forward-looking statements. Past performance should not be taken as an indication or guarantee of future results, and no representation or warranty, express or implied, is made regarding future performance. Some of the information is still in draft form and will only be finalised, if legally verifiable, at a later date. Forward-looking statements speak only as of their date and the Company, the Manager, their respective affiliates and any of such persons' respective directors, officers, employees, agents, affiliates or advisers expressly disclaim any obligation or undertaking to supplement, amend, update or revise any of the forward-looking statements made herein, except where it would be required to do so under applicable law.

The Manager is authorised by the Swedish Financial Supervisory Authority (Sw. Finansinspektionen) and is acting exclusively for the Company and no one else in connection with this presentation or any future transaction in connection with it. The Manager will not regard any other person (whether or not a recipient of this presentation) as a client and will not be responsible to anyone other than the Company for providing the protections afforded to their respective clients nor for the giving of advice in relation to any transaction, matter or arrangement referred to in this presentation.

THIS PRESENTATION IS BEING DELIVERED IN CONNECTION WITH A PROPOSED MEETING WITH THE COMPANY AND NO COPY OF THE PRESENTATION WILL BE LEFT BEHIND AFTER THE MEETING. BY ATTENDING THE MEETING WHERE THIS PRESENTATION IS

MADE, YOU AGREE TO BE BOUND BY THE FOREGOING LIMITATIONS AND TO MAINTAIN ABSOLUTE CONFIDENTIALITY REGARDING THE INFORMATION DISCLOSED IN THIS PRESENTATION.

Q-linea in brief

Introduction to the company

Headquarters, Marketing and demo lab, Consumable production in Uppsala



Developing innovative and disruptive solutions for faster infectious disease diagnostics, first product targeting sepsis

Global partnership with Thermo Fisher Scientific for commercialization of ASTar[®]

Production of instruments and consumables in Sweden

140 employees & consultants

Pre-market activities has started

European clinical study for ASTar in final stage

Indicative results very positive

Received first order on ASTar, value SEK >8 m

3 **First site for US clinical study signed**

Lead product ASTar[®]



Q-LINEA

Why is improved infectious disease diagnostics important?

Sepsis

Leading cause of death in U.S. hospitals¹⁾
#1 hospitalization cost in the US with over \$24bn yearly³⁾

Kills >500,000 people yearly in the EU and US²⁾
Every 3 seconds someone dies of sepsis worldwide

~50% of all patients receive inappropriate treatment
~20% dies before current diagnostic provide results

Rapid diagnostics could reduce mortality with up to 40%⁴⁾

AMR

Antimicrobial Resistance

Has been presented as
“The biggest threat to mankind”

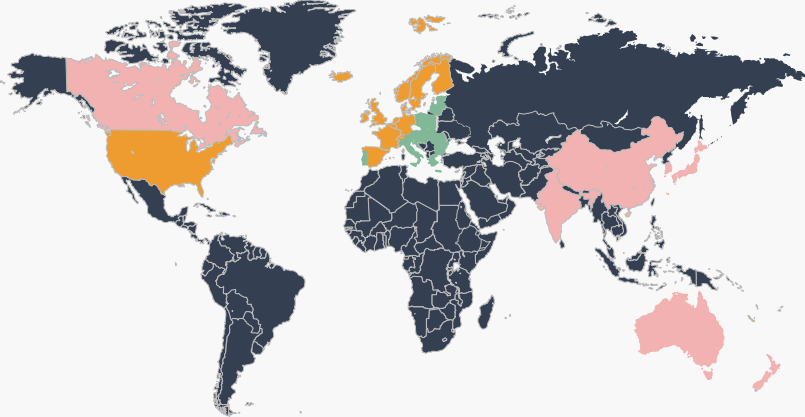
Rapid diagnostics would reduce unnecessary prescription
>65 % of all prescribed antibiotics for respiratory issues are unnecessary⁵⁾

Deaths due to AMR⁵⁾
In 2016, ~700 00 died
In 2050, 10 000 000 are expected to die

Large addressable market for rapid AST diagnostics instruments

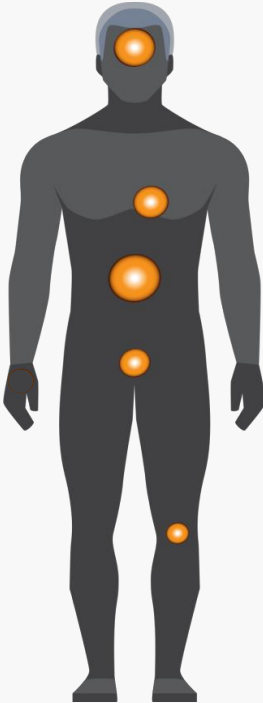
ASTar has several potential target markets

Sepsis

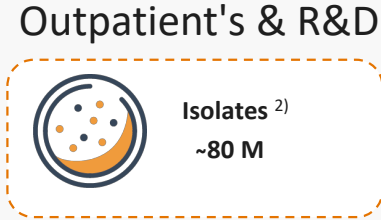
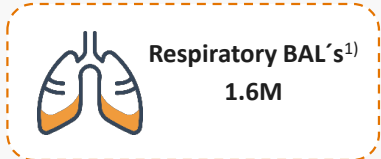


Key: ■ Primary markets ■ Other interesting markets ■ Markets recognizing CE/IVD marking

Number of Antimicrobial Susceptibility Tests for *in vitro* diagnostics

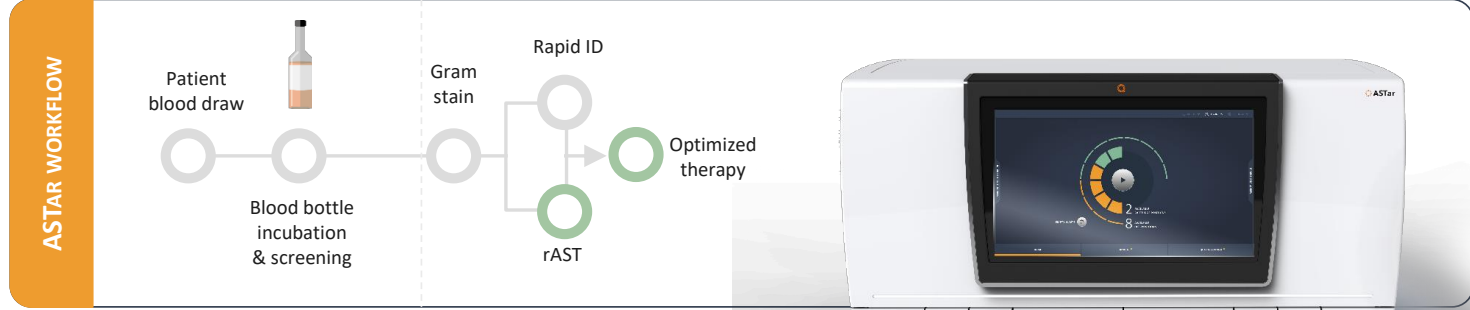
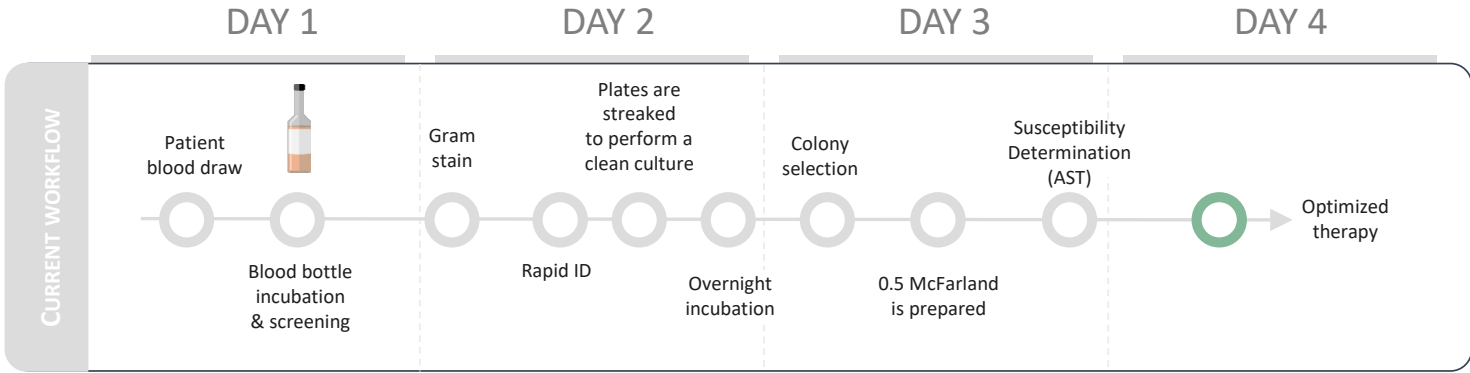


LRTI



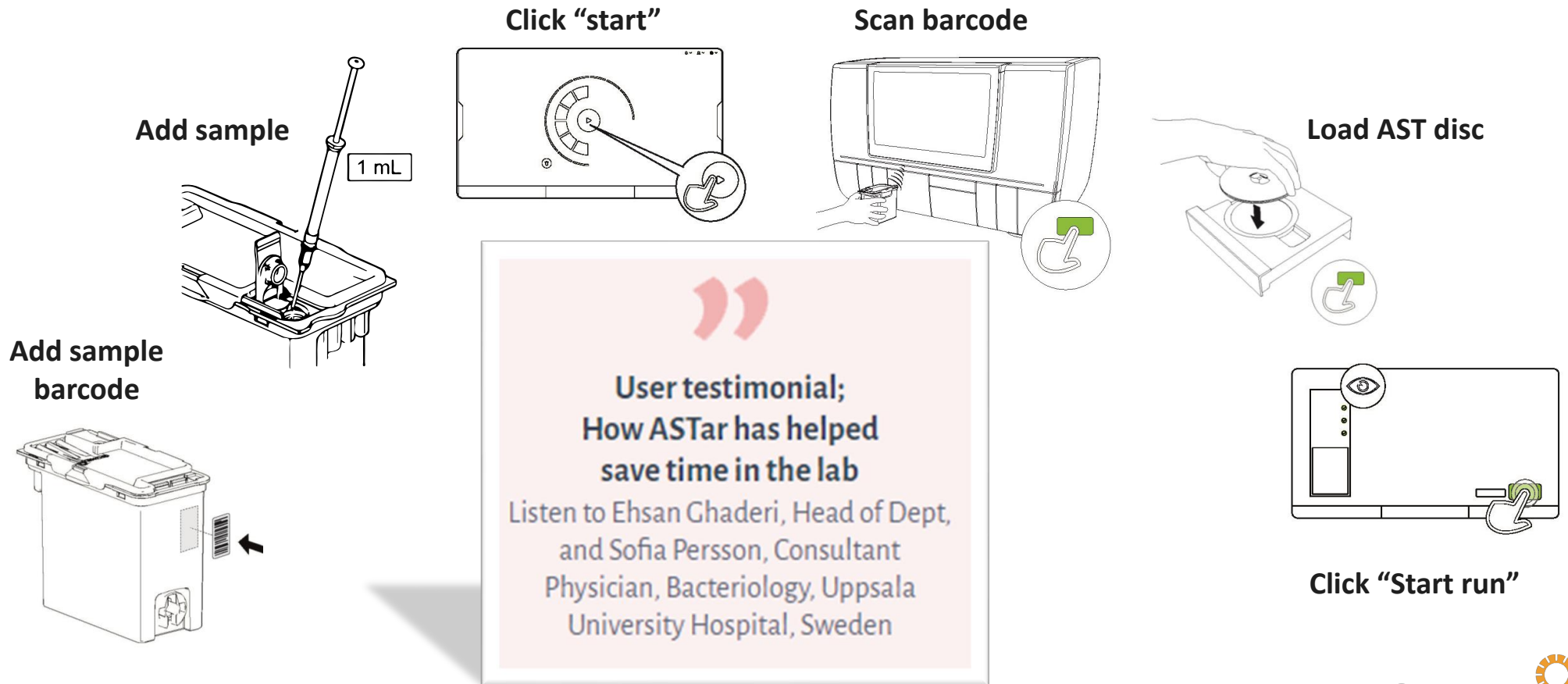
1) Blood from positive blood culture. Source: Management account on estimated annual addressable market volume, US + CE + APAC,
2) Management account on estimated annual addressable market volume, US + CE

Up to 40 hours faster actionable results with less resources



Time to Actionable results is what matters for septic patients

AS tar enables anyone at the lab to load sample anytime



Health economic benefits of faster **24 hour** faster diagnostics

Lower mortality

Up to 40%
lower mortality rates¹⁾

Less pressure for resistance and superinfections

Up to 25%
reduction of *C. difficile*
infections²⁾

Cost savings

~\$2,500 – \$20,000
cost savings per patient³⁾



ASTar can provide **24-40** hour faster diagnostics

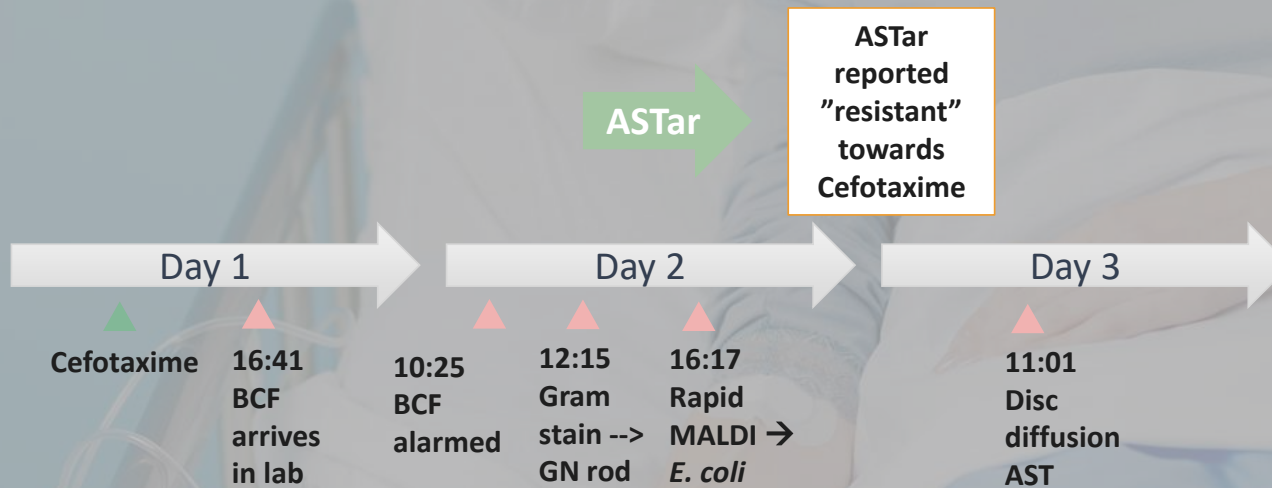
Source: 1) Patel et al, J Clin Microbiol. 2017 Jan; 55(1): 60–67., ECCMID 2017, poster OS1033, Andreassen et al. Cost-effectiveness of MALDI-TOF and rapid antimicrobial susceptibility testing for high-risk patients, Huang et al. Clin Infect Dis. 2013 Nov; 57(9): 1237-45. 2) Fridkin et al, MMWR, 2014;63(9), 194-200. 3) Perez et al, Arch Pathol Lab Med 137:1247-1254, 2013, Perez et al J Infect. 2014 Sep;69(3):216-25, 2014, Bauer et al Clin Infect Dis 51:1074-1080, 2010.) Patel et al, J Clin Microbiol. 2017 Jan; 55(1): 60–67.

Rapid AST will save lives

One example for Uppsala University Hospital pre-clinical study

ASTar was much faster than standard AST method and provided a broader answer

Man 73 years from neuro surgery intermediate care ward, diagnosed with aspiration pneumonia



ASTar performed analysis of **10 additional antimicrobials** compared to standard AST and could report the result up to one day faster

The AST market, AS*T*ar is designed to handle any sample & workflow

Rapid AST

Traditional isolate AST

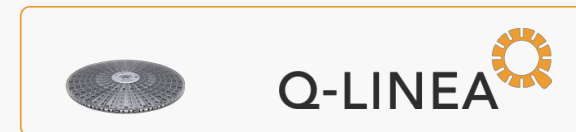
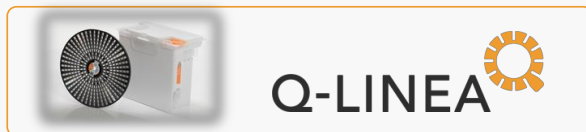
Fully-automated workflow
Less than 1 minutes hands-on time

Semi-automated workflow
User is required to perform sample preparation

Semi-automated workflow
User is required to perform sample preparation

High value

High volume



24/7 capability, all labs & staff



Source: Public material, company presentations, Note: providing solutions on the market or in development

ASTar– designed to save lifetimes

Developed together with our future customers

Easy to use

- Fully automated
- <1 min hands-on time
- Load-and go workflow

Fast

- Results in ~6 hours
- High throughput
- 12 simultaneous samples



Comprehensive



- Large antibiotic panel
- Long concentration ranges
- Fastidious and non-fastidious bacteria
- Support additional samples (*e.g.* urine)

Accurate

- True MIC results
- High reproducibility

Excellent and accurate data from over 5,900 bug-drug combinations

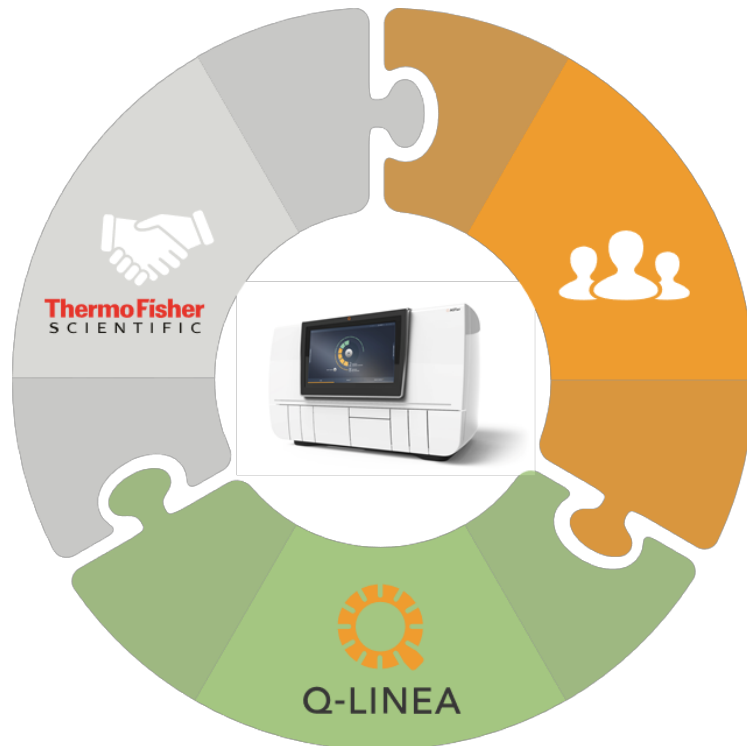
Technology proven on positive blood culture bottles

FDA and ISO requirements ^{1,2)}		
Essential agreement = Same as reference		
FDA	ISO	Q-LINEA 
89.9%	90%	97.5% ³
Categorical agreement = Correct treatment recommendation		
FDA	ISO	Q-LINEA 
89.9%	90%	94.7% ³

- Extensively tested on clinically relevant pathogens in correct sample matrix
 - ✓ Over 380 different strains including several challenge strains
 - ✓ 25 different species
 - ✓ Gram positive and Gram negative bacteria
 - ✓ Fastidious pathogens
- 30 different antibiotics
- In total over 5,900 bug-drug combinations to date – steadily increasing.

Source: 1) ISO 20776-2, Clinical laboratory testing and in vitro diagnostic test systems — Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices: - Part 2: Evaluation of performance of antimicrobial susceptibility test devices 2) Guidance for Industry and FDA Class II Special Controls Guidance Document: Antimicrobial Susceptibility Test (AST) Systems, August 28, 2009, FDA document number 631.3) Company data from the first 526 bug/drug combinations on positive BACTEC™ Plus Aerobic/F blood culturing bottles

Preparation towards launch together with Thermo Fisher Scientific



Partnership at full speed ahead

- We share the view on how to improve and what is needed to change future infectious disease diagnostics

Key aspects of partnership agreement

- World-wide exclusivity for ASTar, apart from Sweden
- Share customer data and full insight in sales
- Mutual exclusivity for rapid AST

Ongoing activities

- Pre-market activities ongoing at full speed
- Training of personnel ongoing
- Discussion further collaborations

Unique technology enables disruptive expansion opportunities

**Clinical study started
For first product¹**

1

ASTar[®]
And planned
Line extension

**External evaluation
planned during 2021**

2

Worlds first
portable culture
technology

Could dramatically reduce
time to result for diagnostics
of blood stream infections

Equal care for everyone

3

ASTrID[®]
Direct from patient
ID and AST

Patient data from RISE study
Sensitivity 96%
Specificity 100%

4

Ultra rapid
urine testing
Point-of-care
placement

Proof-of-concept data
<45 minute SIR result

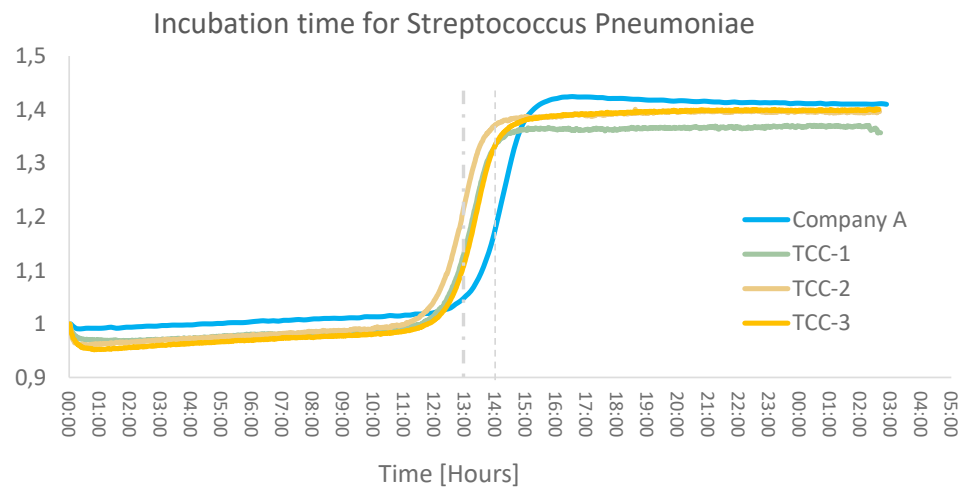
Source Company data

Disruptive technology for blood culture

Has potential to provide equal end better care for all patients

- Could save >10 hours for blood culture results
- Could enable more streamlined workflow in the lab
- Use time instead of waste time

Faster results compared to current best-in-class culture cabinet



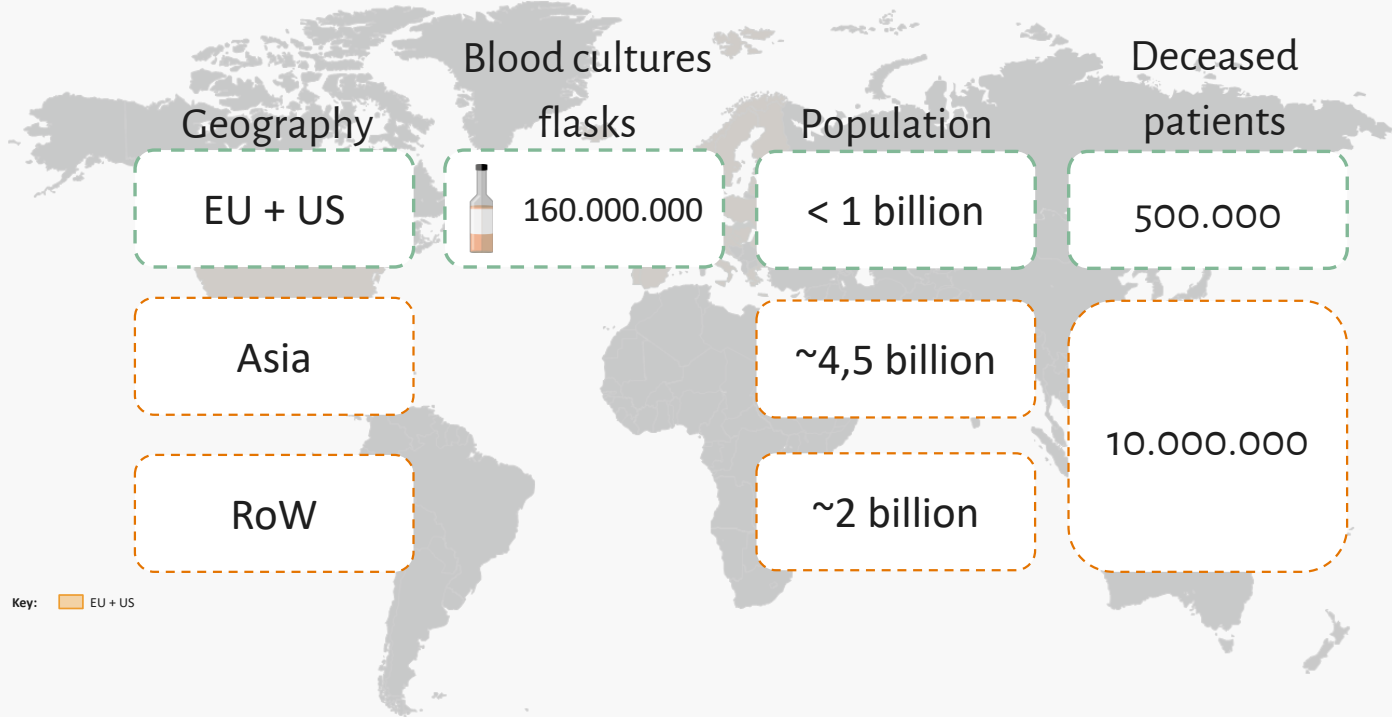
Source: Company information.



Q-LINEA 

Blood culture is central in sepsis diagnosis

Blood culturing market for Eu and US exceeds 1,5 Bn USD



Source Company data & market estimations



Thank you