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right partner.

Welcome to ALS Global

DigiHealthPT Partnerships - B2B Meetings

12-14 March 2025

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ALS is a global leader in providing laboratory testing, inspection, certification and verification solutions

65+

Countries

350+

Offices

40+

Years

21,000+

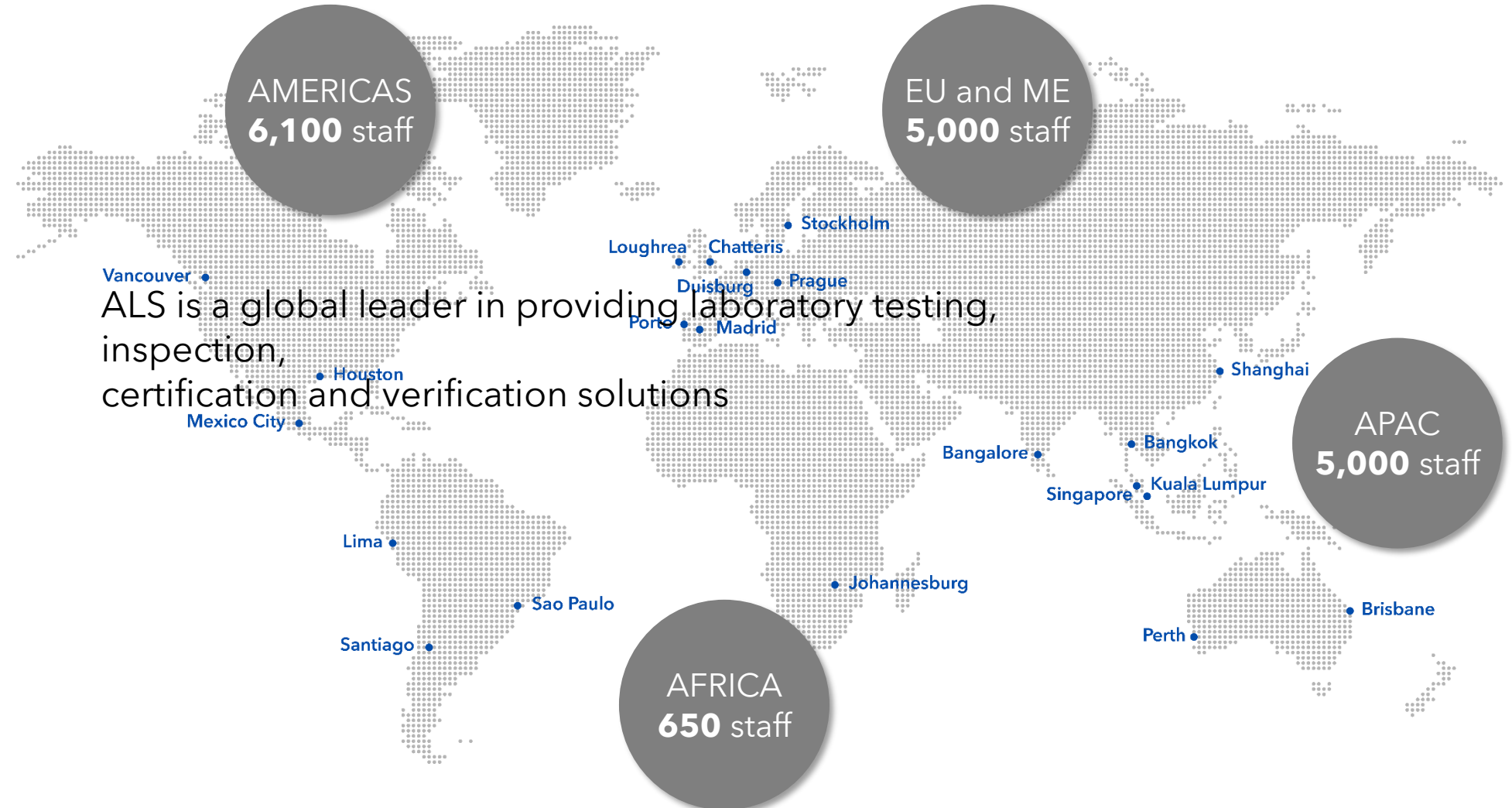
Staff Worldwide

40M+/yr.

Samples Processed

AU\$2.2B

Global Revenue



Our global scale

Industries We Serve



PHARMACEUTICAL & HEALTHCARE



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Pharmaceutical Services



ALS offers established and leading testing services, incorporating the analysis of raw materials, intermediates, and finished products at locations strategically positioned to support the healthcare industries.



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Chemistry testing

- **Finished product and raw material testing.** For QC batch release
- **Ph Eur (EP), BP, USP, JP Testing** (others available)
- **Water testing**
 - Pharmacopeial analysis of potable and purified water and WFI
 - Water from steam sterilisers and washer disinfectors (CFPP01-01Parts C & D, CFPP01-06, EN-285, HTM 2030 & 2031).

Microbiological testing

- **Bioburden & pathogen testing.** For Total Microbial Aerobic Count (TAMC) and Yeast and Mold Count (TYMC), fungi and specified pathogens in pharmaceuticals, cosmetics and medical devices
- **Endotoxin Testing.** Analysis performed on water, raw materials and finished products
- **Water Testing.** TVC and pathogens by membrane filtration employing various methods:
 - Pharmacopeia
 - HTM
 - CFPP
 - Client specific
- **Antimicrobial Preservative Efficacy Testing (PET)**
 - Pharmacopeial testing for pharmaceuticals and cosmetics
- **Disinfectant Efficacy**
 - BS EN methods
 - Testing can be performed for manufacturers and end users
- **Sterility testing**
 - Membrane filtration and direct inoculation per USP & AAMI
- **Particulate Matter USP & EP**
 - Light Obscuration (HIAC) method
 - Microscopic method

Technical projects

- **We offer a comprehensive range of services to support regulatory requirements including:**
 - Drug product ICH stability storage and testing
 - Test method development
 - Test method validation (to ICH)
 - Dissolution profile studies
 - Investigation Support

NUVISAN

Drug discovery and Drug development Services



- Services across the entire product lifecycle from discovery to routine QC
- Integrated services and solutions along the drug discovery & development value chain:
 - DMPK
 - Bioanalysis
 - Formulation Development
 - Clinical Trial supply and monitoring
 - Clinical Development
- Formulation, Scale-up & GMP Manufacturing



Healthcare Industry



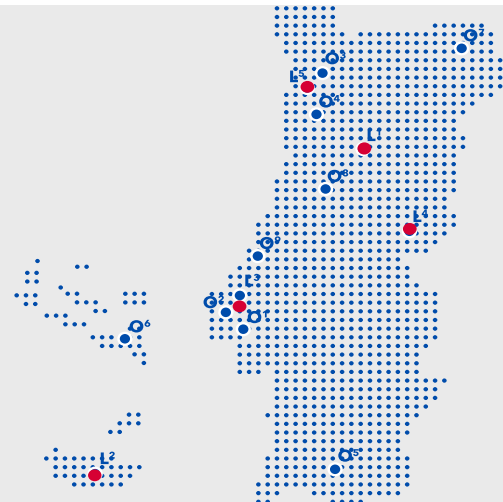
MEDICAL DEVICES

- Chemical Analyses
- Microbiological analyses: Sterility; Microbial cleanliness (Microbial load); etc.)
- Structural tests (Burst strength; Flushability; Filtration Efficiency; Resistance to Respiration; Differential Pressure, etc.)
- Sensory Analyses
- Use Tests
- Claims

RISK ASSESSMENT FOR HOSPITALS & HEALTHCARE PROVIDERS

- Occupational Health monitorization
- Cleaning and Sterility validation testing (clean rooms, surgical rooms; equipment...)
- Legionella, Bacteriology, Microorganisms identification, SARs-COV-2 tests
- Integrated Legionella Control and Prevention Plans
- Dialysis Water testing
- Metals & contaminants in Effluents
- Waste Hazard Assessment (inert, non-hazardous & hazardous waste)
- Pest Control

- ✓ **5** sites in Portugal
- ✓ **12 Laboratories**
- ✓ **300+** Specialized staff
- ✓ **Accredited sampling collection**
- ✓ **Nationwide coverage and**
- ✓ Appropriate **sampling packaging** delivery
- ✓ Around **30 collection technicians**





INVITEK
d i a g n o s t i c s

ALS Molecular Diagnostics
Products & Services

Diagnostic Services

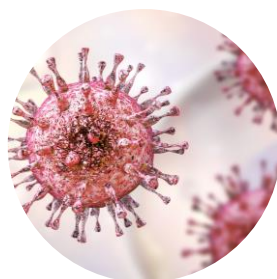
A GLOBAL PROVIDER OF
MOLECULAR DIAGNOSTICS
PRODUCTS



Invitek is a division of **ALS Global** that offers a wide range of **products and services for molecular diagnostics**, including **nucleic acid purification kits, PCR and qPCR reagents and customized solutions** for research projects. Invitek is proud to have an **ISO 13485** certified quality management system that, in line with **GMP principles**, ensures the highest standards of product quality and reliability, supporting research and development efforts.

Applications

- Genomics & Molecular Diagnostics
- Life Sciences Research
- Lab Solutions
- Animal Health
- Food Testing
- Oligonucleotide Synthesis
- Custom Solutions



Contract
manufacturing



Sanger sequencing
service



Genetic testing



Infectious diseases
testing



Microbiome
research



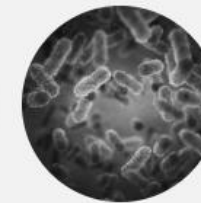
Pathogen PCR
detection in
animals



Allergen detection



GMO detection



Foodborne
pathogen
detection



Halal testing



Custom oligo
synthesis



Cell and tissue
analysis



DNA fragment &
plasmid DNA
purification



Food DNA/RNA
extraction



Plant DNA/RNA
isolation

SMARTgNOSTICS Shaping the future of AMR detection



SMARTgNOSTICS is developing and prototyping **AI-powered** advanced **Point-of-Care Testing (PoCT)** technologies to detect and monitor **antimicrobial resistances** globally

OneHealth holistic approach:

- Human health
- Veterinary testing
- Food safety
- Environmental monitoring

Our aim:

- Minimize antibiotic usage
- Enable faster and more accurate antibiotic prescriptions
- Control the spread of antimicrobial resistance



Project Leader



Entities of the National
Technological and
Scientific System



Private companies



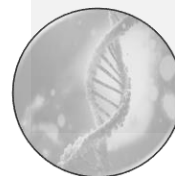
National Reference
Laboratories



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InviPRODUCTS

Development, prototyping and commercialization of advanced technologies for AMR genes diagnostic and monitorization for Human health, Food and Feed, Animal health and Environment



InviDx™

Providing LAMP detection of pathogens and AMR genes in 30 minutes from sample to results, anywhere



InviDetect™

Combining SERS accuracy with the throughput of plate assays for advanced antibiotic residue detection



InviTrace™

E-nose carbon-dot technology for powerful sensing of pathogens in the environment



InviDx™



Providing LAMP detection of pathogens and AMR genes in 30 minutes, anywhere

EASY TO USE



- Minimal handling and pipetting steps
- Automated result interpretation
- Lyophilized ready-to-use reagents

RAPID

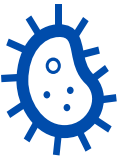


- Sample collection to result in under 60 minutes
- Fast DNA extraction module
- Multiplexed detection of 10 targets simultaneously

POINT OF CARE



- No additional equipment required
- Reagents transported at room temperature
- Small footprint and lightweight



Specifications	
Specimen type	Urine
Pathogen targets	<i>S. agalactiae</i> , <i>K. pneumoniae</i> , <i>K. oxytoca</i> , <i>E. cloacae</i> , <i>P. aeruginosa</i> , <i>S. aureus</i> , <i>S. saprophyticus</i> , <i>P. mirabilis</i> , <i>Enterococcus</i> spp, <i>E. coli</i>
AMR genes	<i>bla</i> _{TEM} , <i>bla</i> _{SHV} , <i>bla</i> _{CTX-M} , <i>fos</i> _{A1} , <i>qnr</i> _B , <i>qnr</i> _{A1} , <i>dfr</i> _{A1} , <i>nfs</i> _B
Method	Isothermal amplification (LAMP)
Internal control	Synthetic control
Turnaround time	Less than 60 min

Healthcare Initiative & Events

Workshop on Innovation for monitorizations and Control of **AMR** – Antimicrobial Resistance in a **ONE HEALTH** perspective

**INOVAÇÃO
CONTROLO
DA RESISTÊNCIA
ANTIMICROBIANA**
Biosensores, AI e Tecnologias Emergentes


Faça aqui a sua inscrição

**23 MAIO
AIRV
VISEU**

Resistência a Antibióticos: a Próxima Pandemia?
Apresentação de Protótipos
de Dispositivos de Diagnóstico
Mesa Redonda **One Health**


Global Testing & Diagnostics Solutions
for Antimicrobial Resistances



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PROGRAMA*

**INOVAÇÃO CONTROLO DA
RESISTÊNCIA ANTIMICROBIANA**



8:45 – 9:15

Receção/credenciação

9:15 – 9:30

Sessão Solene de Abertura e Boas-vindas

9:30 – 10:30

José Artur Paiva (Director do Serviço de Medicina Intensiva, Centro Hospitalar Universitário de São João)

10:30 – 11:00

Apresentação do projeto SMARTgNOSTICS

11:00 – 11:30

Coffee Break

11:30 – 12:00

Mafalda Sampaio (Diretora de Qualidade e Segurança, CUF)

12:00 – 12:30

Ana Amaro (Lab. Nacional de Referência de Resistência aos Antibióticos, INIAV)

12:30 – 13:00

Joana Azeredo (Professor Associado com Agregação, Universidade do Minho)

13:00 – 14:30

Almoço e Workshop | Apresentação dos Dispositivos Tecnológicos

14:30 – 16:00

Mesa Redonda: A Resistência Antimicrobiana na perspectiva One Health

- **Patrícia Poeta** (Coordenadora do Grupo de Resistência a Antibióticos MicroART, Universidade Trás-os-Montes e Alto Douro)
- **Joana Lemos** (Coordenadora da Unidade de Medicina Interna, Hospital CUF Viseu)
- **Joana Azeredo** (Professor Associado com Agregação, Universidade do Minho)
- **Margarida Tavares** (Ex-Secretária de Estado da Promoção da Saúde, Instituto de Saúde Pública da Universidade do Porto)

16:00 – 16:30

João Cotta (Diretor-Geral Executivo Food, ALS)

16:30 Dão de Honra


Global Testing & Diagnostics Solutions
for Antimicrobial Resistances



*PROGRAMA PROVISÓRIO

ALS Limited

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Susana Cunha

Email: susana.cunha@alsglobal.com

Mobile: +351 910 225 880

Location: Portugal

Time Zone: Greenwich Mean Time (GMT)