



amsbiopharma.

CLOSE TO YOU



FROM THE INITIAL MOLECULE TO THE FINAL PRODUCT

CONTENT

01

About us

03

Our Services:
Biopharmaceutical
Preclinical research
Impurities
Taylored Services

07

Mass Spectrometry

08

Our Team

09

AMSlab Group

10

Contact

ABOUT US



AMSbiopharma is the AMSlab business unit dedicated to offering contract laboratory services to customers seeking to outsource biopharmaceutical and small molecules analysis. Through our labs in Lugo, Spain, AMSbiopharma team is committed to helping your company to characterize your small or big molecules.

AMSbiopharma is the perfect CRO (Contract Research Organization) partner of choice in the different stages of development of new biological or biopharmaceutical compounds, specifically in the activities of chemical and structural characterization of the compound (proteins, peptides, monoclonal antibodies, biosimilars, etc.).

Our main ally at this stage in the technological aspect is mass spectrometry,

which together with the qualification and equipment of our laboratory, allow us to offer a complete catalog of services for biological characterization and analysis. In addition, we can optimize, fine-tune and validate methods for raw materials in the stages of Quality Control, especially with pharmacopoeia (USP, EP) methods, as well as Elemental Impurities analysis through ICP-MS (ICH Q3D). Our services also extend to the small molecule pharmaceutical sector, offering services and customer measurement for the detection, characterization and quantification of impurities and unknown substances in small molecules.



WHY AMSBIOPHARMA?



Analytical CRO

Dedicated to the support in research of both small molecule drugs and biopharmaceuticals.

Quick response and closeness

Agile, close and flexible laboratory.

Advice and Innovation

We offer a tailor-made and ongoing customer service, always with cutting-edge technologies.

A different Lab

We face new challenges, doing what nobody does.

OUR SERVICES



Due to the structural complexity and sensitivity of biotherapeutics to their manufacturing conditions, their quality must be strictly monitored not only during drug development stages but also during the entire life of the drug product. In AMSbiopharma a team of experienced scientists has developed a multiple attribute approach based on mass spectrometry techniques that covers all aspects included in ICH guideline Q6B *“Test procedures and acceptance criteria for biotechnological/biological products”*.

BIOSIMILARS
ANTIBODY-DRUG
CONJUGATES
PEPTIDES
PEGYLATED PROTEINS
mAbs

...

OUR SERVICES



PRECLINICAL RESEARCH

Quick response for the agility you need for drug discovery

The hunt for new drugs can be divided into two stages: discovery and development. Drug discovery includes generating a hypothesis of the target receptor for a particular disorder and screening the *in vitro* and/or *in vivo* biological activities of the new drug candidates. Drug development involves the assessment of efficacy and toxicity of the new drug candidates.

To aid in a discovery program, accurate data on pharmacokinetics and metabolism must be available as early as possible as it eventually contributes to the final success or failure of the compound.

BIOANALYSIS
CHEMICAL STABILITY
SAFETY AND TOXICOLOGY
***IN VITRO* ADME**

...

OUR SERVICES



IMPURITIES

Expertise and accumulated experience to satisfy your needs

Impurities present in a drug can affect its efficiency and its safety, therefore studies of impurities are currently one of the most important in pharma to meet regulatory requirements.

Thus, the identification, quantitation, qualification and control of impurities are a critical part of the drug development process. AMSbiopharma regularly develops impurity related studies, including quantitation, structural characterization and, if needed, also isolation and synthesis.

IMPURITY PROFILING
STRUCTURAL
DETERMINATION
ISOLATION OF IMPURITIES
QUANTITATION
RESIDUAL SOLVENTS
GENOTOXIC IMPURITIES
ELEMENTAL IMPURITIES

...

OUR SERVICES



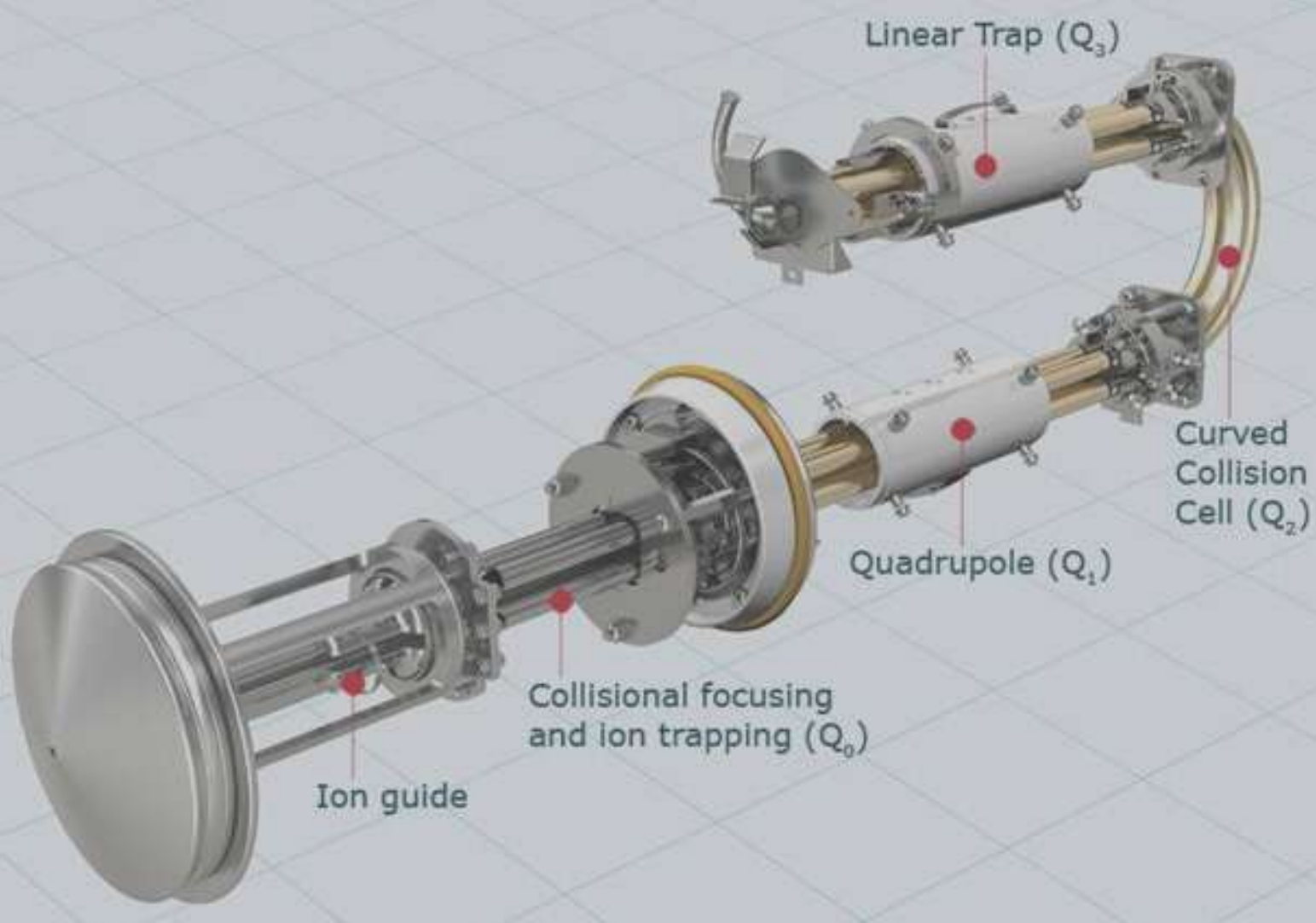
We offer a tailor-made and ongoing customer service, always with cutting-edge technologies.

Our experience and knowledge allow us to offer specific services on biotechnology production, and also on characterization, isolation and purification through chromatography, as well as preparative HPLC.

Whatever your project, we can help you!

**CHEMICAL SYNTESIS
METHOD DEVELOPMENT
OMICS**

...



MASS SPECTROMETRY

At AMSbiopharma we are specialists in mass spectrometry. Mass spectrometry is based on obtaining ions from organic molecules in the gas phase; once these ions have been obtained, they are separated based on their mass / charge ratio and are finally detected by a suitable device.

The processes that take place in a mass spectrometer are chemical in nature; consequently, the presence and abundance of certain types of ions, identified from their mass, will be a function of the chemical structure of each compound. This makes mass spectrometry offer a great deal of information about a given compound.

In industry it is a highly used technique in sectors such as pharmaceutical, clinical, biochemical and biotechnological, cosmetic, forensic, environmental and food

for the elucidation of a wide variety of compounds, drug analysis, pesticide and herbicide analysis, peptide, protein and nucleotide analysis, as well as in the relative and absolute quantification of small molecules.

Therefore, from AMSbiopharma we provide scientific support, backed by state-of-the-art technology and highly qualified personnel in the field of physical, chemical and biological analysis, ensuring the highest reliability in our analytical solutions.

We offer a high degree of specialization in highly complex matrices for which we develop innovative and highly specific methodologies for the determination of any type of compound.

OUR TEAM

Here is part of our team! Our team of highly skilled scientists uses top-of-the-line equipment and owns full expertise in mass spectrometry and bioinformatics, being this technique the core business value of our company.



MANUEL LOLO
CEO



JOSÉ CARLOS
GONZÁLEZ
DIRECTOR



ÁNGELES EXPÓSITO
PRINCIPAL
SCIENTIST



ÓSCAR CASCÓN
SCIENTIST



MARIO FERNÁNDEZ
SCIENTIST



ALEJANDRO VEIGA
TECHNICIAN



CARMEN ALFONSO
QUALITY
ASSURANCE



REBECA POUSO
QUALITY
ASSURANCE



MARCOS ENGROBA
SALES MANAGER



PAULA GIAO
MARKETING



IAGO POLÍN
CHIEF FINANCIAL
OFFICER



DAVID SEIJAS
HR MANAGER



AMSLAB GROUP

Almost 15 years give a lot, a lot of work, a lot of clients and a lot of quality. At AMSlab we continue to maintain the same enthusiasm as the first day but we have been increasing our capabilities, our equipment and our technologies to offer increasingly comprehensive, more global quality solutions for more sectors.

Today, AMSlab has positioned itself as one of the market leaders in the quality control sector with a high degree of specialization in highly complex matrices or components.

Over the years we have been incorporating new companies into our group, which allows us a greater diversification of our services.

Thus, AMSlab is focused on quality control in the fashion industry, with the trademark AMSfashion. In addition, it has collection centers in Morocco and Portugal to offer a factory picking and inspection service.

Xenotechs Laboratories specializes in molecular biology and from there we obtain the brands AMSfood and AMSvet.

AMSbiopharma is the next incorporation, offering analytical solutions to ensure quality and safety in new drug discovery. And finally, we have incorporated CIFGA Laboratory, as a producer of reference materials and kits for analysis.



ANALYTICAL SOLUTIONS FOR A QUALITYHEALTH

amsbiopharma.
CLOSE TO YOU

**DO YOU WANT TO
SPEAK WITH A
SCIENTIST?**

LET'S COLLABORATE!

WWW.AMSBIOPHARMA.COM