

Spanish White Biotech Pipeline*

Spanish White Biotech Pipeline 2017
An overview of industrial biotechnology projects currently developed by the Spanish biotech industry

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Spanish Bioindustry Association
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ASEBIO, the Spanish Bioindustry Association, encompasses over 270 firms, associations, foundations, universities, technology and research centers which carry out activities directly or indirectly related to biotechnology.

The wide number of associates makes ASEBIO the most appropriate meeting platform to face up the challenges of developing the biotechnology sector in Spain.



TECHNOLOGIES							
LOGO	COMPANY	NAME	INDICATION	BASIC R&D	APPLIED R&D	READY FOR EXPLOITATION	AVAILABLE TECHNOLOGY TRANSFER IN PATENT PROGRESS
	ALGAENERGY		Microalgae Production Technology for several applications	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	ALGAENERGY		Microalgae production facilities, technologies, control and harvesting systems	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOCHEMIZE		Enzymatic technological platform for advanced esterification reactions	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOCHEMIZE		Enzymatic technological platform for advanced aldoic reactions	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOCHEMIZE	PB	Screening for microbial and enzymatic biocatalysis	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOCHEMIZE	SC-enz	Enzymatic screening for modification of chemical structures	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Bioiberica	CropScan	Bioinformatic tools for genetic diagnosis	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Biomedal	CASCADE	Bacterial expression system	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	biogutur group	FLYPS	Recombinant expression of second generation vaccines (VLPs, chimeric, subunits)	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Bionaturis	FLYLIFE	Baculovirus expression system. MVB, WSVB, upstream development, downstream development, analytical development, scale-up	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIONET INGENIERIA	BIONET	Serial Membrane filtration units	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIONET INGENIERIA	BIONET	Fermentation technologies	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIONET INGENIERIA	BIONET	Membrane filtration technologies	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIONET INGENIERIA	BIONET	Serial 5 L Bioreactor	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIONET INGENIERIA	BIONET	Serial 350-1000 L Bioreactor	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIPOLIS	Bio-Cpe	High added value compounds extraction	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIPOLIS	Bio-Cl	Recombinant protein expression for therapeutic and diagnostic application	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BioRaw	Ps	Industrial fermentation	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOSEARCH LIFE		Sterile final pharmaceutical forms	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOSEARCH LIFE		Screenings for antimicrobial, antidiobesity, inhibitory of cholesterol absorption activity	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	BIOSEARCH LIFE		Testing laboratory accredited by ENAC according to ISO17025	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	ecocelta	GO-FUNCTIONAL®	Functional food development service (Laboratories, Pilot Plant, Sensory analysis, Stability trials & Packaging)	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Fundación MEDINA	MEDDiscovery	Biosimilars monoclonal antibodies Platform	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Fundación MEDINA	MEĐinicro	Bioactive Molecule Discovery Platform	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Fundación MEDINA	MEĐchemistry	Microbial Fermentation Scale Up Platform	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Fundación MEDINA	MEĐscreen	LCMS & NMR Analytical Platform	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	GENOMICA	AUTOCLART PLUS	High Throughput Screening of Biotechnological Products	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	FLOW FOCUSING ®	Bioanalysis mass spectrometry platform	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	FLOW BLURRING ®	Microplate processor to visualize and read samples to diagnosis.	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	MICROPARTICLES MANUFACTURING	One step microencapsulation producing small & homogeneous spheres, core-shell, double-shell particles	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	ONENEb	Highly efficient spray of extremely fine droplets production	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	FRM (Flow Blurring® Metal)	Tailored in-plant scaled-up manufacturing	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	CELLENA	Improved sensitivity and robustness analytic nebulizer and micronebulizer for spectrometry systems	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	FLOW SPRAY-DRYER	High throughput nebulizer for material process: drying, pulverisation, etc. Able to operate with highly viscous materials	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	MICROPARTICLES DEVELOPMENT	User-friendly biocapsulation portable platform to encapsulate high molecular weight compounds, microorganisms and cells	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Ingenierics	ATOMIZATION EQUIPMENT / COATING SYSTEMS	Brand-new spray-drying and spray-colliding equipment integrating proprietary technology emitters for highly accurate and efficient microparticles production	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	InKemia IUCT group	GC-SOLV	Customised CRO microencapsulation services for cosmetics, chemicals, consumer goods. Including SPHERES, CORE-SHELL and DOUBLE SHELL structure	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	InKemia IUCT group	CG-Bio-GMO	Development and manufacturing of proprietary technology nebulizers, atomisers, and equipment or devices including I/ coating systems	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	InKemia IUCT group	Bio-HTB	Substitution for green safer solvent from renewable resources in different industrial applications	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	LETI	TAT	High throughput biotechnological synthesis of small molecules	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Life Length		Protein Purification	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Lonza	Biologics Parrilla	Telomere measurement	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Lonza	Biologics Parrilla	Stirred bioreactors 5.000 & 10.000 L scale & single-use bioreactors	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Lonza	Biologics Parrilla	Custom manufacturing of monoclonal antibodies and recombinant proteins using mammalian cell culture	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITBIOSENSING	Analytical Services for the Biotechnology Industry	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	HEATSENS	Colorimetric biosensing platform based on the innovative properties of nanotechnology	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	HEATSENS	Detection of analytes in very different kinds of areas such as human and animal diagnostics, environment, agri-food, cosmetic, pharmaceutical, etc.	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	LinkOrientation Kits	Lateral flow of biosensors. Bioconjugation Microscopy probe. Immunogold. Immunsensing	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITgold Cit	Design of biosensors Target-specific drug-delivery lateral flow tests Imaging probes for dark-field microscopy Flow cytometry Cancer photothermal therapy Catalyst Optoelectronic	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITgold COOH-PEG	Design of biosensors Drug delivery Colorimetric probes Cellular uptake	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITgold Lipoic	Design of biosensors Target-specific drug-delivery Imaging probes for dark-field microscopy Cancer photothermal therapy Optoelectronic	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITgold clusters	Bioconjugation Immunocytochemistry Microscopy probe Cellular uptake Immunogold Immunsensing Catalysis Optoelectronic	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NANOIMMUNOTECH	NITmagold	Magnetic separation Biosensing Magnetic hyperthermia Drug delivery	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NEIKER Tecnalia - Instituto Vasco de Investigaci		Protein purification	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NEIKER Tecnalia - Instituto Vasco de Investigaci		Soil microorganism detection	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NEOLBIO	MICROBIOTOLS	Development of microbial culture strategies to obtain high lipid biomass content	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NEOLBIO	MICROBIOIL-1	Selection, optimization and scale-up of microorganisms for industrial applications	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	NEOLBIO	MICROBIOIL-2	Production of microbial oil from crude glycerin	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Plebiotic	PleMD v2	Production of microbial oil from lignocellulosic residues (wheat straw)	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Plebiotic	PleMD	Molecular Dynamics software - drug discovery, analysis of action mechanisms	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	SISTEMAS GENÓMICOS	Vytus Biotech	Reverse docking, for repositioning of existing drugs	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	SISTEMAS GENÓMICOS		Molecular Dynamics solution	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	SISTEMAS GENÓMICOS		Platforms for massive sequencing studies of genomics, transcriptomics, molecular biology, genetic diagnosis ...	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	SISTEMAS GENÓMICOS		Plant cell cultures technology for the development of dermocosmetic products	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	SISTEMAS GENÓMICOS		Screening of interesting biological activities either from complex samples or selected strains from culture collections. Optimization of growth and biocatalysis reaction.	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	ENTRECHEM	Biogas	Biotechnological Production of Human Milk Oligosaccharides as High-added Value Active Ingredients	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	✓ ✓ ✓ ✓ ✓ ✓
	Fundación Parque Científico Tecnológico Aula Dei	Biodiesel	Fermentation and Downstream process from 1 L to 300 L bioreactors	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■		

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BIOPRODUCTS

LOGO	COMPANY	NAME	INDICATION	BASIC R&D	APPLIED R&D	READY FOR EXPLOITATION	INDUSTRIAL SCALE-UP	AVAILABLE	TECHNOLOGY TRANSFER IN PROGRESS	PATENT
	ALGAENERGY	ALGAENERGY	Microalgae products with excellent properties for several applications and sectors	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	BLUE GOLD	C-Phycocyanin extract out of the microalgae Spirulina	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	ProPure rProtein A LCL Agarose	Immunoglobulin capture and purification affinity medium	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	ProPure rProtein G Rapid Flow	Immunoglobulin capture and purification affinity medium	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	ProPure rProtein A Rapid Flow	Immunoglobulin capture and purification affinity medium	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	ProPure rProtein G FastCap	Immunoglobulin capture and purification cartridges	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	ProPure rProtein A FastCap	Immunoglobulin capture and purification cartridges	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	rProtein G (3xC)	Synthetic derivative produced by recombinant expression. Antibody purification	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	rProtein A (4xZ)	Synthetic derivative produced by recombinant expression. Antibody purification	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	BIONET INGENIERIA	Microalgae collection	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	BIONET INGENIERIA	Cellulolytic and hemicellulolytic enzymes	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	BIONET INGENIERIA	Sugars	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	BIONET INGENIERIA	DGS (Dried Distillers Grains with Solubles)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Camelia Company España	Camelia Oil	High Omega3 and Vitamin E Content.	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	CAT-Bcuc - Gbspum - Ssdeod	New catalyst Purine Phosphorilase Nucleoside	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	CAT-Agup / Bcypm / Rmup	New catalyst pyrimidine phosphorilase nucleoside	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-S51	New solvent from renewable materials for synthesis of APIs	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-S73	New solvent from renewable materials for Crop protection	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-LA024 / GC-S77 / GC-DMA	New solvent from renewable materials for metal degreasing and for Paint and varnishes from DMA	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-S79	Solvents from renewable materials for the biodiesel sector	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	BIO-TFT	Trifluorothymidine / Antiviral (Ophthalmic) / Herpes Corno	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-B10-DAP / BIO-AP	2,6-diaminopurine decarboxidase. Anticancer / 2,6-diaminopurine riboside. Antiviral. Anticancer	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	GC-B10-F / GC-B10-F	2-deoxy-5-fluorouridine. 5-fluorouridine. Anticancer / Colon & Pancreas / Colon & Breast	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	NANODIMMUNOTECH	NITZIPER	Family of products ready to be easily, quickly and efficiently biocoujugated (antibodies, dyes, enzymes, micro/nanostructures, peptides, molecules, linkers, etc.)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	SEPROX BIOTECH	Hydroxytyrosol	Production of Hydroxytyrosol by chemical and enzymatic synthesis	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	TERACION	V32R	CRV/RDAMO	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	AGROCODE BIOSCIENCE	Biopesticides	Extraction process development biopesticides from plant extracts and secondary metabolites of different microorganisms	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	ALGAENERGY	AGRIALGAE	High quality agricultural biostimulant 100% based on microalgae enzymatic hydrolysis	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Cera Trap	Biological Attractants	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Dacus Trap	Biological Attractants	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Armux	Plant protection (endogenous defense mechanisms)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	AminoAlein	Plant protection (resistance to biotic stress)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	AminoQuelant C/Mg	Bioavailable Nutrition	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Terram	Biostimulant	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Terra Humic	Biostimulant	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Iniicum	Biostimulant	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	StressSal	Biostimulant	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Terra-Surb	Biostimulant	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Suzuki Trap	Biological Attractants	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	AminoQuelant-Cu	Bioavailable Nutrition	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biobérica	Flyral	Biological Attractants	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	rProtein A Resins	Immunoglobulin capture and purification	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Biomedal	nL24-Oys	Cost effective ligand for antibody purification	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	BIPOLIS	Bioconversion of desired molecules by the use of enzymes. Either with commercially available enzymes or using enzymes designed from scratch.	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Fundación MEDINA	MEDgene	Microbial Genetic Bank	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Fundación MEDINA	MEDiversity	Microbial Collection	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	VYTROS BIOTECH	Plant cell cultures for dermatological applications	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓	✓
	AGROCODE BIOSCIENCE	Trichoderma	Development production trichoderma with sterile process	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIONET INGENIERIA	n-butanol		■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIPOLIS	Human Milk Oligosaccharides	Biotechnological Production of Human Milk Oligosaccharides as High-added Value Active Ingredients	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIPOLIS	Enzymatic preparations	Enzymes for the agro, chemical and pharmaceutical industries. We offer development and manufacturing of the desired enzymatic activities, including proteases, cellulases, lipases, amylases, xylosidases, phytases, hydrolases, pectinases, among others.	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Camelia Company España	Camelia germplasm	Screening and breeding program	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Ecoelta Galicia S.L.	Sistema Vermifiltas	Modular system of biological treatment of pig slurry and other liquid waste. The success of the results offered is based on the combination of a filter of worms and a purification tank with macrophytes.	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	BIO-K3	Menadione (vitamin K3)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	CAT-Halo1 / Halo2	Enzymatic mixture with hydrolytic activity / with lipase and protease activity	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	BIO-EPs	New exopolysaccharides use as nutraceutical and cosmetics (3 compounds)	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Inkemina IUCT group	BIO-CEM	New microorganisms for self healing concrete	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Leitat	CAT-Holig / Haloprot	New haloprotease	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	Leitat	Ácidos fólicos	Production of baits for insect control (protein hydrolysates as insect attractants). Pest fight.	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓

LOGO	COMPANY	NAME	INDICATION	BASIC R&D	APPLIED R&D	READY FOR EXPLOITATION	INDUSTRIAL SCALE-UP	AVAILABLE	TECHNOLOGY TRANSFER IN PROGRESS	PATENT
	BIOCHEMIZE	PB-est	Biomass integral valorisation process	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIOCHEMIZE	PB-oxi	Enzymatic and microbial platform for esterification of organic compounds	■■■■■	■■■■■	■■■■■	■■■■■	✓	✓	✓
	BIOCHEMIZE	PB-met								