# **Spanish Green Biotech Pipeline**\*

### INGREDIENTS, ADDITIVES AND PROBIOTICS

-	COMPANY	NAME OR DESCRIPTION	INDICATION / PROPERTY		APLICATIONS R&D VALIDATION REGISTER PATENT					AVAIL The N
	AB-Biotics	AB-Dentalac	The first probiotic specifically designed to fight the oral pathogens causing the most common oral		Food supplement, chewing gums, oral care products, syringes	<u> </u>	<u> </u>	<u> </u>	<ul> <li>Image: A second s</li></ul>	
117100	AB-Biotics	AB-Dentisani	Probiotic formula which acts as a shield against caries, preventing the growth of caries-associated		Oral care products					
	AB-Biotics	AB-Fortis	Patented micro-encapsulation system that allows to deliver 100% of the iron CDR in a single dose	, , , , , , , , , , , , , , , , , , , ,	Dairy industry and nutritional supplements containing iron and vitamins.					
-	AB-Biotics AB-Biotics	I3.1 AB-Kolicare	The first problotic formula which produces a global improvement of quality of life in IBS patients, a Probletic formula for the treatment of infentile calls, which elemificantly reduces exceeding quine is		Pharma: capsules or sachets					
	AB-Biotics	AB-Gingilac	Probiotic formula for the treatment of infantile colic, which significantly reduces excessive crying in Probiotic formula which improves biofilm formation by healthy oral flora, for optimal gum health	ii concky mains according to chincar data	Dairy products, infant formula. Capsules, drops, sachets Food supplement, oral care products					
		•	Problotic able to survive in an inflamed vaginal mucosa and restore the vaginal ecosystem and a h	ealthy vaoinal oH. useful to prevent vaoinal infection recurrence. It can be used in					· ·	
	AB-Biotics	AB-Intimus	co-therapy treatments with anti-mycotics		Vaginal care products					
(Tass	AB-Biotics	AB-Immuno	Probiotic formula with a specific functional effect for maintaining digestive health, enhancing syste Probiotic formula combining AD Life strains (which reduces total choice for the strain of the strains) and the strains of the str		Food supplement, food ingredient					
Ð	AB-Biotics	AB-Life Plus	Probiotic formula combining AB-Life strains (which reduces total cholesterol levels by 12% on ave LDL-cholesterol and Triglycerides reduction	rage) and an omega-3 source (Alpha-Linolenic Acid) to enhance total cholesterol,	Food supplement	1	1	1	1	
Ð	AB-Biotics	AB-Prociscare	Probiotic formula with lactic acid bacteria and cranberry extract for treating and preventing recurre	ent urinary tract infections (UTI) such as cystitis		1	1	1	1	
<b>B</b>	AB-Biotics	AB-Life Forte	Probiotic formula combining AB-Life strains (which reduces total cholesterol levels by 12% on ave	rage) and Monacolin K to enhance total cholesterol and LDL-cholesterol reduction	Food supplement	1	1	1	1	
8	AB-Biotics	IronGest	Food supplement designed to meet the needs of pregnant women and their babies, containing AB-F		n Food supplement	1	1	1	1	
-	AB-Biotics	IronLact	CDR in a single dose, with high bioavailability and no adverse effects in taste or during the digesti Food supplement designed to meet the needs of women during the lactation period and their babie		Food supplement					
	AB-Biotics	IronKid	Food supplement which contributes to the normal growth and development of children, with a speci	, <b>.</b>	Food supplement				· ·	
	AB-Biotics	AB-Life	Probiotic formula which reduces total cholesterol levels by 12% on average, according to publishe		Food supplement				· ·	
17144	ALGAENERGY	AlgaeFood	High level of polyunsaturated fatty acid, w3 type (EPA, DHA and ARA), proteins (essential aminoaci		Oils and fats / Others / Natural Products				· /	
AENERGY		AlgaeFood	Strains and extracts. Functional foods	us), vitainins, carutanuus, atc.	Functional ingredients	· ·			V	
	ALGAENERGY	PhycoAlgae	PhycoAlgae		Functional ingredients, Food & Beverages				/	
-	Aquilon CYL	A01203	Piquet Disbiosys. Probiotic strains for the management of intestinal microbiota of newborn piglets		Routine management of newborn piglets			1	V	
0.00000000000	BIOGENETICS	BIOGENOMID	Fight bisinesis. Flobious suams to the management of mestimal inclouinta of newborn pignets Bio-identified probiotics strains or bio-identifiers based on stabilized nucleic acids that permit the	malagular traggability of foods without viable DNA						
C	Bioibérica	Chondroitin Sulfate			Application of genetic accreditation of food traceability ( GENOMID or other techniques ) to food products without a viable DNA.				1	
<b>b</b>			Osteoarthritis treatment		APIs (Active Pharmaceutical Ingredients)				× (	
ERICA.	Bioibérica Bioibérica	Glucosamine Mobilee	Osteoarthritis treatment Heles keen hvaluronic acid concentrations within a beatthy ranne, thereby promotion comfortable is	int mobility and raduoing stiffnass	APIs (Active Pharmaceutical Ingredients) APIs (Active Pharmaceutical Ingredients)	<u> </u>			× /	
TRICA	Bioibérica	Mobilee Oralvisc	Helps keep hyaluronic acid concentrations within a healthy range, thereby promoting comfortable jo Motobolic Octoorstructus	אוויר ווויסאווודא מווט ובמקרוווא פרוווובפס	APIs (Active Pharmaceutical Ingredients)	<u> </u>	×		× /	
<b>5</b>			Metabolic Osteoarthritis Osteoarthritis teatment		ADIc (Active Dharmaceutical Ingradiante)		×		v	
<b>2</b>	Bioibérica Bioibérica	Hyaluronic Acid	Osteoarthritis treatment		APIs (Active Pharmaceutical Ingredients) APIs (Active Pharmaceutical Ingredients)		<u> </u>		<i></i>	
ERICA	Bioibérica Bioibérica	B-2cool (Native Type II Collagen)	Food supplement ingredient for joints		APIs (Active Pharmaceutical Ingredients) APIs (Active Pharmaceutical Ingredients)		<u> </u>		×	
<b>2</b>	Bioibérica Bioibérica	Mucopolysaccharides Hialsorb Cold	Food supplement ingredient for joints For ioint and muscle pain relief (cold effect)		APIs (Active Pharmaceutical Ingredients)	1	<b></b>		V	
ane a			······································		Sport Nutrition anti-Inflammatory				<i>.</i>	
ERICA	Bioibérica	Entero-Chronic	Complementary feed which helps maintaining intestinal functions		Digestive System Aids in increasing feed intake and diet digestibility thanks to its exceptional characteristics, improving the pro-duction parameters	e			<b>v</b>	
2	Bioibérica	Palbio 62SP	Is a source of high-quality protein obtained from sprayed dried hydrolisate from porcine intestinal i	nucosa	and health of the animals	·			<ul> <li>Image: A second s</li></ul>	
2	Bioibérica	Impromune	Complementary feed recommended for dogs and cats to optimize the immune response for increas	ed efficiency of the innate and the adaptive immune systems	Autoimmune & Inflammation				1	
2	Bioibérica	Heparinoids	Heparinoids are mucopolysaccharides obtained from different tissues of animal origin through a ge	ntle extraction process that guarantees integrity of their active elements.	Action in epidermis as antiedematous and anticongestive agent, promoting elimination of minor superficial bleeding, allowing for rapid hematoma reabsorption. Hydrating effect due to contents in chondroitin and dermatan sulfate				1	
)	Bioibérica	SODIUM HEPARIN	Sodium heparin has multiple biological activities, but is noteworthy for its anticoagulant properties	The heparin molecule forms a complex with antithrombin III (ATIII) and inhibits	Anticoagulant				1	
ERICA			different coagulation factors: XIIa, XIa, Xa, IIa, thrombin, and kallikrein Heparin is a commonly used anticoagulant, especially in clinical biochemistry and chemical measu	romant tasts. It is the recommanded anticeanulant for chemical measurement	• • • •				v	
2	Bioibérica	LITHIUM HEPARIN	in blood or plasma tests because of its minimal chelating properties	rement tests. It is the recommended anticoaguiant for chemical measurement	Anticoagulant				1	
2	Bioibérica	AMMONIUM HEPARIN	Heparin is a commonly used anticoagulant, especially in clinical biochemistry and chemical measu in blood or plasma tests because of its minimal chelating properties	rement tests. It is the recommended anticoagulant for chemical measurement	Anticoagulant				1	
<b>)</b>	Bioibérica	DERMATAN SULFATE	Dermatan sulfate is a natural olycosaminoolycan found mainly in the skin, but also in blood vessels	boart values tandage lugge and intactinal musaes	Potential therapeutic applications: Anticoagulant and antithrombotic activity: A well documented interaction of dermatan is binding	g			1	
ERICA				, neart valves, tenuons, lungs, and intestinal indeosa	of dermatan sulfate to heparin cofactor II, which acts by inhibiting the procoagulant activity of thrombin				V	
ERICA	Bioibérica	Hialsorb	For joint and muscle pain relief		Sport Nutrition anti-inflammatory					
ERICA	Bioibérica	Tendoactive	Tendon health and recovery		Using Tendoactive					
ERICA	Bioibérica	Artroactive	Protects the joints and improves mobility		Artroactive					
polis	BIOPOLIS	Tailor-made probiotic blends	Different targets and indications		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition					
	BIOPOLIS	Bifidobacterium longum ES1	Gluten sensitivity and inflammation		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition					
apoes.	BIOPOLIS	Lactobacillus paracasei CNCM I-4034	Immune Boosters		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition					
spolis	BIOPOLIS	Bifidobacterium breve CNCM I-4035	Immune Boosters		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition					
poes	BIOPOLIS	Lactobacillus rhamnosus CNCM I-4036	Immune Boosters		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition	<ul> <li>Image: A second s</li></ul>			<i></i>	
polis	BIOPOLIS	Bifidobacterium longum CECT 7210	Rotavirus Infection		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition	<ul> <li>Image: A second s</li></ul>				
pois	BIOPOLIS	Bifidobacterium lactis BPL1 Conventional probiotics: Bifidobacterium, Lactoba	Healthy Weight and Metabolism		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition				1	
polis	BIOPOLIS	cillus and Streptococcus	Digestive Health		Food Industry / Food Supplements / Pharma Industry / Infant Nutrition	<ul> <li>Image: A second s</li></ul>	<ul> <li>Image: A second s</li></ul>	$\checkmark$	$\checkmark$	
polis	BIOPOLIS	Prebiotics	Gastrointestinal health improvement; confirmation of benefit in final product		Dairy industry / Bakeries / Mineral water and soft drink bottlers	1				
SEARCH	<b>BIOSEARCH LIFE</b>	URSOLIA	Extract of the aerial part of Salvia officinalis L with a high ursolic acid content (min. 15%) that he	lps to fight inflammation and congestion combined with Cranberry	Women health / Dietary supplements	1	1		1	
	BIOSEARCH LIFE	CARONOSITOL	in situations of urinary tract infections (UTI) D-chiro-inositol (DCI) from Carob for Polycystic Ovary Syndrome (PCOS)		Women Health / Dietary supplements	1	1	1	1	
	BIOSEARCH LIFE	PF1	Carob Extract high in nonhydrolyzable condensed tannins obtained by aqueous extraction system w	thout using athanal or arganic solvents for chalasteral management	Medical Device IIb / Dietary supplements	· /			•	
									v (	
	BIOSEARCH LIFE BIOSEARCH LIFE	EUPOLY-3	LC-Omega 3 oil (powder, emulsion and oil) for functional foods and nutraceuticals, with excellent of Problem is called from human breast milk for the prevention of lactational mactitic	nganoroptite properties	Olive / seed / Dairy industry / Beverage industry / Bakeries / Meat / Fish industry / dietary supplements / Infant nutrition	1	×		× /	
		HEREDITUM	Probiotics isolated from human breast milk for the prevention of lactational mastitis		Women Health / Dietary supplements				×	
	BIOSEARCH LIFE	HEREDITUM	Probiotics isolated from human breast milk for the prevention of infant infection	avail disconfacto	Infant nutrition / Dietary supplements	1	<b>_</b>	<i></i>	×	
	BIOSEARCH LIFE	EXXENTIA	Hops Dry Extract (Humulus lupulus L.) standardized in 8-Prenylnaringenin, 8-PN to alleviate menop		Women Health / Dietary supplements				1	
	BIOSEARCH LIFE	APPLE DRY EXTRACT	Apple dry extract rich in ursolic acid with anti-inflammatory and antioxidant character. Also indicat	ed for the maintenance of muscle mass	Food applications (Dairy industry, Beverage industry, Bakeries, etc.) / Dietary supplements					
	BIOSEARCH LIFE	HYDROLIV PLUSTM	Hydroxytyrosol (?15%) extract from olive fruits with a strong antioxidant character		Olive / seed oils industry / Dairy industry / Beverage industry / Bakeries / Meat /Fish industry / dietary supplements	1			1	
	ESTEVE	Triptomax	Food supplement recommended during periods of stress		Nutrition				1	
	ESTEVE	Cortagrip	Product formulated to reduce common cold duration and to prevent new infections		Cough and cold				1	
	FARMASIERRA MANUFACTURING		It helps to prevent diarrhea caused by antibiotic		Intestinal flora				1	
ECVT SHIRT		Probiotic	New probiotics with antibacterial properties to prevent caries		Oral care products / Food supplement	1		1		
_	Fundacion MEDINA	Natural preservatives	Extracts with antimicrobial activity		Food Manufacture					
hered angless	Leitat	Natural derived ingredients	Extracts from Mediterranean Flora with certain functionalities which could be used in food (antimic	rodiai, antioxidant, etc.)	Food additives, feed additives, supplements					
	Lipopharma Therap <mark>eutics</mark>	Cardionesa (Cardionnaise)	No cholesterol, and it lowers both blood pressure and the levels of triglycerides		Sauce manufacturers					
	NATAC	Herbal extracts	Innovative herbal ingredients		Nutraceuticals / Olive / Seed oils industry / Dairy industry / Beverage industry / Bakeries / Meat /Fish industry / dietary	1	1	1	1	
4	NATAC	Functional lipids	Olive oil concentrates in polyphenols as hydroxytyrosol, triterpenoids, sterols, etc.		supplements	<ul> <li>Image: A second s</li></ul>	1	1	<ul> <li>Image: A second s</li></ul>	
4	NATAC	Olive extracts	Oleanolic acid (98% purity), maslinic acid, <mark>hydroxytyrosol (20%). ALLOLIVE full plant profile olive</mark>	extract	Nutraceuticals / Olive / Seed oils industry / Dairy industry / Beverage industry / Bakeries / Meat /Fish industry / dietary supplements	1	1	1	1	
	NATAC	Omega-3	Highly concentrated omega-3 products with low content of phytanic acid		συρριωποπο	1			1	
	NATAC	POMOLIVE	Metabolic syndrome a specific combination of the complete fraction of olive pentaciclic triterpene:	and a highly concentrated apple polyphenols extract			-	· ·	1	
	NATAC	ENDOLIVE	Cardiovascular protection. Studies performed by Natac indicate that ENDOLIVE: Lowers serum gluc		Food supplements, functional foods		-	· ·	1	
•	NEOL BIOSOLUTIONS	OMEGA-3 DHA OIL	DHA plays an important role in cognitive functions at any stage of life. Contributes to eye developm		Infant Formulae Food Supplements	· ·	· ·		•	
	SEPROX BIOTECH		Enhanced oil stability and protection of low-density lipoprotein (LDL) from oxidative damage		Oils and fats / Dairy industry / Mineral water and soft drink bottlers	· ·	-		1	
IN BIOTECH		,, .,					-		-	
	SEPROX BIOTECH	Hydroxytyrosol, hydroxytyrosol acetate and DOPAC	Protection against colon cancer and reduction of contamination by nathonens in human food produced	CIS	Meat industry / Fish processing and preservation / Fruit and vegetable processing and preservation / Dairy industry					
IX BIOTECH			<ul> <li>Protection against colon cancer and reduction of contamination by pathogens in human food produt</li> <li>Reduction of the oxidising effects of free iron and heme in meat</li> </ul>	715	Meat industry / Hish processing and preservation / Huit and vegetable processing and preservation / uairy industry Meat industry					

### FOOD SAFETY AND SUBSTANCE DETECTION

Image: Contract of the second seco	EZ BIOGENETICS Biomedal Biomed	PATOGENOM         GENOMID         GlutenTox Pro Surface         GlutenTox Sticks Plus         GlutenTox Sticks Plus         GlutenTox ELISA Competitive A1         GlutenTox ELISA Sandwich         GlutenTox ELISA Competitive         GlutenTox READER         GlutenTox READER         Gluten Tox Sticks Almond         AlerTox Sticks Caseina         AlerTox Sticks Soy         AlerTox ELISA Fish         AlerTox ELISA Pistachio         AlerTox Sticks Grustacean         AlerTox Sticks Grustacean         AlerTox ELISA Legg         AlerTox ELISA Legg         AlerTox ELISA Legg	Metabarcoding based detection (NGS & NNGS) of whole pathogens or microorganism from a food sample or related (surfaces, packings, etc)         Genetic accreditation of food quality and geographical origin GENOMID         Test for gluten detection in surfaces         Immunochromatographic strips for detecting gluten in foods         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection in surfaces         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection         Rapid test for gluten detection         Rapid test for gluten detection         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection         Test for allergen	microbiological food control, processing facilities , raw materials           Accreditation of adulteration (control of all species in a sample). Analytical Accreditation of geographical origin, species, races, tribes, analytical organic product and GMOs           Food producers of all types and handlers           Food producers of all types           Food producers of all types           Food producers of all types           Food producers of all types and handlers           Food producers of all types           Food producers of all types           Food producers of all types and handlers           Food producers of all types and handlers           Food producers of all types           Food producers of all types and handlers           Celiac           Any tood industry that performs gluten tests using GlutenTox Sticks           Food producers of all types           Food producers of all types           Any tood industry that performs gluten tests using GlutenTox Sticks           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types	J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J       J     J	
A" Biomedia A" Biomedia	Biomedal Biomedal	GlutenTox Pro Surface         GlutenTox Sticks Plus         GlutenTox ELISA Competitive A1         GlutenTox ELISA Competitive A1         GlutenTox ELISA Competitive A1         GlutenTox ELISA Competitive A1         GlutenTox ELISA Competitive         GlutenTox ELISA Competitive         GlutenTox ELISA Competitive         GlutenTox READER         GlutenTox READER         GlutenTox Sticks Almond         Aler Tox Sticks Almond         Aler Tox Sticks Caselina         Aler Tox Sticks Soy         Aler Tox Sticks Ovalbumin para vino         Aler Tox Sticks Crustacean         Aler Tox Sticks Grustacean	Test for gluten detection in surfaces         Immunochromatographic strips for detecting gluten in foods         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         ELISA assay for quantification of gluten in food samples         Test for gluten detection in surfaces         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection in surfaces         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection         Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	species, races, tribes, analytical organic product and GMOs Food producers of all types and handlers Food producers of all types Food producers of all types Food producers of all types Test producers of all types and handlers Food producers of all types and handlers Celiac Any food industry that performs gluten tests using GlutenTox Sticks Food producers of all types Food producers of all types Any food industry that performs gluten tests using GlutenTox Sticks Food producers of all types All types of food producers Food producers of all types All types of food producers Food producers of all types All types of food producers Food producers of all types	J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J	
A Biomedia A Biomedia	Biomedal Biomedal	GlutenTox Sticks Plus         GlutenTox ELISA Competitive A1         GlutenTox ELISA Sandwich         GlutenTox Pro Surface Fast         GlutenTox Pro Surface Fast         GlutenTox Pro         GlutenTox Pro         GlutenTox RADER         GlutenTox READER         GlutenTox Sticks Almond         AlerTox Sticks Almond         AlerTox Sticks Caseina         AlerTox Sticks Soy         AlerTox Sticks Soy         AlerTox Sticks Soy         AlerTox Sticks Gustancia         AlerTox Sticks Soy         AlerTox Sticks Gustancia         AlerTox Sticks Gustancia         AlerTox Sticks Grustacean         AlerTox Sticks Grustacean         AlerTox Sticks Gustancia	Immunochromatographic strips for detecting gluten in foods         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         ELISA assay for quantification of gluten in food samples         Test for gluten detection         Test for gluten detection         Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Food producers of all types         Test producers of all types         Food producers of all types         Celiac         Any food industry that performs gluten tests using GlutenTox Sticks         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         Food producers of all types         Food producers of all types	J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J	
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A Biomedia A Biomedia	Biomedal Biomedal	GlutenTox ELISA Sandwich         GlutenTox Pro Surface Fast         GlutenTox Pro         GlutenTox Pro         GlutenTox Pro         GlutenTox Nome         GlutenTox READER         GlutenTox Sticks Almond         Aler Tox Sticks Almond         Aler Tox Sticks Caseina         Aler Tox Sticks Soy         Aler Tox Sticks Soy         Aler Tox Sticks Gaseina         Aler Tox Sticks Gaseina         Aler Tox Sticks Gaseina         Aler Tox Sticks Soy         Aler Tox Sticks Gaseina         Aler Tox Sticks Gaseina         Aler Tox Sticks Soy         Aler Tox Sticks Soy         Aler Tox Sticks Gualumin para vino         Aler Tox Sticks Crustacean         Aler Tox ELISA Fish	ELISA assay for quantification of gluten in food samples         Test for gluten detection         ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection         Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Food producers of all types         Test producers of all types and handlers         Food producers of all types         Food producers of all types and handlers         Celiac         Any food industry that performs gluten tests using GlutenTox Sticks         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types	J         J           J         J           J         J           J         J           J         J           J         J           J         J           J         J	
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A Biomedia A Biomedia	Biomedal Biomedal	GlutenTox ELISA Competitive         GlutenTox Pro         GlutenTox Home         GlutenTox READER         GlutenTox stervices         Food analysis services         Aler Tox Sticks Almond         Aler Tox Sticks Almond         Aler Tox Sticks Caseina         Aler Tox Sticks Soy         Aler Tox Sticks Guatania         Aler Tox Sticks Soy         Aler Tox Sticks Grustacean         Aler Tox Sticks Ggg	ELISA assay for quantification of gluten in food samples suitable for hydrolysed samples         Test for gluten detection         Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Food producers of all types         Food producers of all types and handlers         Celiac         Any food industry that performs gluten tests using GlutenTox Sticks         Food producers of all types         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types         All types of food producers         Food producers of all types		
A Biomedia A Biomedia	Biomedal Biomedal	GlutenTox Pro         GlutenTox Home         GlutenTox READER         Gluten analysis services         Food analysis services         AlerTox Sticks Almond         AlerTox ELISA Almond         AlerTox Sticks Caseina         AlerTox ELISA Fish         AlerTox Sticks Soy         AlerTox ELISA Pistachio         AlerTox Sticks Crustacean         AlerTox Sticks Grustacean	Test for gluten detection         Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Food producers of all types and handlers           Celiac           Any food industry that performs gluten tests using GlutenTox Sticks           Food producers of all types           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types		
A Biomedia A Biomedia	Biomedal Biomedal	GlutenTox Home         GlutenTox READER         Gluten analysis services         Food analysis services         AlerTox Sticks Almond         AlerTox ELISA Almond         AlerTox ELISA Almond         AlerTox Sticks Caseina         AlerTox ELISA Fish         AlerTox Sticks Soy         AlerTox ELISA Pistachio         AlerTox Sticks Crustacean         AlerTox ELISA Egg	Rapid test for gluten detection         Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Celiac           Any food industry that performs gluten tests using GlutenTox Sticks           Food producers of all types           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           All types of food producers           Food producers of all types           Food producers of all types		
A Biomedia A Biomedia	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	GlutenTox READER         Gluten analysis services         Food analysis services         AlerTox Sticks Almond         AlerTox ELISA Almond         AlerTox ELISA Almond         AlerTox Sticks Caseina         AlerTox Sticks Soy         AlerTox ELISA Fish         AlerTox ELISA Pistachio         AlerTox ELISA Ovalbumin para vino         AlerTox Sticks Grustacean         AlerTox ELISA Egg	Immunochromatographic strip reader         Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Any food industry that performs gluten tests using GlutenTox Sticks Food producers of all types Food producers of all types All types of food producers Food producers of all types All types of food producers Food producers of all types		
Ar Biomedia Ar Biomedia	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	Gluten analysis services Food analysis services AlerTox Sticks Almond AlerTox ELISA Almond AlerTox Sticks Caselina AlerTox Sticks Soy AlerTox Sticks Soy AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Crustacean AlerTox ELISA Egg	Gluten analysis services. ISO 17025 certification         Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.)         Test for allergen detection	Food producers of all types Food producers of all types All types of food producers Food producers of all types All types of food producers Food producers of all types	1 I	
A" Biomeda A" Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	Food analysis services Aler Tox Sticks Almond Aler Tox ELISA Almond Aler Tox Sticks Caseina Aler Tox ELISA Fish Aler Tox Sticks Soy Aler Tox ELISA Pistachio Aler Tox ELISA Ovalbumin para vino Aler Tox Sticks Grustacean Aler Tox ELISA Egg	Broad portfolio of food analyses (allergens, physical-chemical, microbiological, etc.) Test for allergen detection	Food producers of all types All types of food producers Food producers of all types All types of food producers Food producers of all types		
Al Biomedia Al Biomedia	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox Sticks Almond AlerTox ELISA Almond AlerTox Sticks Caselina AlerTox ELISA Fish AlerTox Sticks Soy AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Grustacean AlerTox ELISA Egg	Test for allergen detection	All types of food producers Food producers of all types All types of food producers Food producers of all types		
Ar Biomeda Ar Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox ELISA Almond AlerTox Sticks Caselina AlerTox ELISA Fish AlerTox Sticks Soy AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Grustacean AlerTox ELISA Egg	Test for allergen detection Test for allergen detection	Food producers of all types All types of food producers Food producers of all types		
Ar Biomeda Ar Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox ELISA Fish AlerTox Sticks Soy AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Grustacean AlerTox ELISA Egg	Test for allergen detection Test for allergen detection Test for allergen detection Test for allergen detection	Food producers of all types		
Ar Biomeda Ar Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox Sticks Soy AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Grustacean AlerTox ELISA Egg	Test for allergen detection Test for allergen detection			
A Biomeda A Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox ELISA Pistachio AlerTox ELISA Ovalbumin para vino AlerTox Sticks Grustacean AlerTox ELISA Egg	Test for allergen detection			
A Biomeda A Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox ELISA Ovalbumin para vino AlerTox Sticks Crustacean AlerTox ELISA Egg		All types of food producers		
R <sup>*</sup> Biomeda R <sup>*</sup> Biomeda	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox Sticks Crustacean AlerTox ELISA Egg	Test for allergen detection	Food producers of all types		
Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia	Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal	AlerTox ELISA Egg		Food producers of all types		
A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia A Biomedia	W Biomedal Biomedal Biomedal Biomedal Biomedal Biomedal		Test for allergen detection	All types of food producers		
At Biomedia At Biomedia At Biomedia At Biomedia At Biomedia At Biomedia At Biomedia At Biomedia	W Biomedal W Biomedal W Biomedal W Biomedal	AIET IUX ELISA LYSOZYME DATA VINO	Test for allergen detection	Food producers of all types		
Af Biomedia Af Biomedia Af Biomedia Af Biomedia Af Biomedia Af Biomedia Af Biomedia Af Biomedia	ar Biomedal ar Biomedal ar Biomedal		Test for allergen detection	Food producers of all types		
Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia Al Biomedia	ar Biomedal ar Biomedal	AlerTox ELISA Lupine	Test for allergen detection	All types of food producers		
Al' Biomeda Al' Biomeda Al' Biomeda Al' Biomeda Al' Biomeda Al' Biomeda	a Biomedal	AlerTox ELISA Lysozyme AlerTox ELISA Sesame	Test for the allergen detection Test for allergen detection	Food producers of all types All types of food producers		
Al Biomeda Al Biomeda Al Biomeda Al Biomeda		AlerTox ELISA Ovalbumin	Test for allergen detection	Food producers of all types		
A" Biomeda A" Biomeda A" Biomeda	🖬 Biomedal	AlerTox ELISA Mustard	Test for allergen detection	All types of food producers		
A' Biomedo A' Biomedo		AlerTox ELISA Gasein	Test for allergen detection	Food producer of all types		
-		Oleotest	Colorimetric assay that allows to determine the total polar compounds in frying fats in 2 minutes.	Food producers		
A Biomedo	Biomedal	AlerTox ELISA Cashew	Test for allergen detection	Food producers of all types		
	ar B <mark>iomedal</mark>	AlerTox ELISA Milk	Test for allergen detection	Food producers of all types		
A Biomedo	ar B <mark>iomedal</mark>	5-in-1 Water Test	Test for a semi-quantitative determination of total hardness, pH, nitrites, nitrates and chlorine in water	Food producers		
A Biomedo		AlerTox ELISA Soy	Test for allergen detection	Food producers of all types		
A Biomedo		AlerTox ELISA BLG	Test for allergen detection	Food producers of all types		
A Biomedo		AlerTox Sticks Egg	Test for allergen detection (egg)	All types of food producers		
A Biomedo		AlerTox ELISa Walnut	Test for allergen detection	Food producer of all types		
A Biomedo		AlerTox ELISA Crustacean	Test for allergen detection	Food producers of all types		
A Biomedo A Biomedo		AlerTox Sticks Peanut AlerTox ELISA Peanut	Test for allergen detection Test for allergen detection	All types of food producers Food product of all types		
A Biomedo		AlerTox ELISA Macadamia	Test for allergen detection	Food producers of all types		
A Biomedo		AlerTox Sticks Hazelnut	Test for allergen detection (hazelnut)	All types of food producers		
A" Biomedo		AlerTox ELISA Hazelnut	Test for allergen detection	Food producers of all types		
<b>A</b> Biomedo	Biomedal	AlerTox Sticks Beta-Lactoglobulina	Test for allergen detection (Beta-Lactoglobulina)	Food producers of all types		
A Biomedo	al Biomedal	AlerTox Sticks Fish	Test for allergen detection (fish)	Food producers of all types		
A" Biomedo	al Biomedal	AlerTox ELISA Coconut	Test for allergen detection	Food producers of all types		
<b>P</b> erapolis	BIOPOLIS	Identification and riddance of undesired microorganisms or pathoge	ns Identification of undesired microorganisms in food or complex matrixes by molecular and microbiological techniques. Development of solutions for riddance of the identified microorga	anisms. Food producers of all types. Chemical companies.	<ul> <li>✓</li> </ul>	
e apois	BIOPOLIS	Identification of substances	Identification of substances or ingredients of interest in complex matrixes. Chemical composition and molecular identification.	Food producers of all types. Chemical companies.		
			Experience with organic, inorganic molecules, metabolites (amino acids, nucleotides, DNA), metals, minerals, etc.		• •	
E FECYT		Biological Control	Biopreservatives for fresh-cut products; fruits and vegetables	Fruits and Vegetables processing and preservation		<b>/</b>
9	Fundacion MEDINA	In vitro tests for toxicity, safety, ADME and plasma efficacy	Cytotoxicity, Neurotoxicity, Mitochondrial Toxicity, Cardiotoxicity, ADME tox	Applicable to all industries		
INGENA	ngenasa	INgezim Soy	Detection of soy residues in food samples	Food safety		
LEITET	Leitat	Immunotests for monitoring and guality control	Antibodies for allergen detection, intolerance components, toxins, etc.	Generation of substance-specific antibodies and its use and set-up of immunotests to monitor its presence in different steps of food processing chain. Allergen detection, intolerance components, toxins	s. /	
maging schemight		and quarty conduct		etc. Immunotests can be simple ELISA, Lateral Flow	-, - •	
LEITET	Leitat	In vitro tests for toxicity, safety, ADME and plasma efficacy	Genotoxicity, phototoxicity, hepatotoxicity, ADME	Food producers of all types	<ul> <li>Image: A second s</li></ul>	
	PROMEGA BIOTECH IBÉRIO		Genetic assay for food pathogen detection		1	
		CA GMO and Authentication Analysis	Genotyping Species for GMO analysis		<ul> <li>✓</li> </ul>	
8 20224		InmuTest	Food Intolerance Study	Applicable to all industries		
8 20224		Self Analysis Products	Haras DNA datastion by Deal Time DOD	Applicable to all industries		
8 mmu	SISTEMAS GENÓMICOS	AutentiGEN	Horse DNA detection by Real-Time PCR Services to detect food allergens. These services are based on the latest DNA technologies and immunoanalysis,	Applicable to all industries		
8 20224	SISTEMAS GENÓMICOS	AGROFOOD	services to detect rood anergens. These services are based on the fatest time technologies and immunoanalysis, which verify the presence or absence of allergen ingredients in any food type	Applicable to all industries	s s	
8 20224	SISTEMAS GENÓMICOS	Verify of the IBERIAN BREED	Service to verify the genetic origin of animals and products of the IBERIAN BREED	Applicable to all industries		
8 33224	SISTEMAS GENÓMICOS	AutentiGEN	Quantification method of Equine DNA in food	Applicable to all industries		
8 mmu	SISTEMAS GENÓMICOS	AutentiGEN	Quantification method of porcine DNA in meat matrices	Applicable to all industries		
8 2222	SISTEMAS GENÓMICOS	Genomic identification Service of Microorganisms	Microbiological Analysis	Applicable to all industries		
8 2224.	SISTEMAS GENÓMICOS	AutentiGEN	Self Analysis Products: The genus Alicyclobacillus consists in acidophilic thermophilic spore-forming gram-positive bacteria, typically found in the ground.	Fruit juices, concentrates as well as tomato-based products		
Quanti .	01017WM0 0FM0M1009	nutontiQLI	Alicyclobacillus spores arrive to the factory inside the fruit and are able to survive the usual	וינית שווטט, טטווטוועמנט עס אטו עס נטוומנט־שמטט אוטעטנט		

Around 630 companies research and develop products in the Spanish biotechnology sector. Visit the online version at <a href="http://pipelines.asebio.com/green/">http://pipelines.asebio.com/green/</a>

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

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technology and research

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

**Spanish Bioindustry Association** 

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**Biotech Pipeline** 

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## **Spanish Green Biotech Pipeline**\*

### **BIOPRODUCTS, BIOPROCESSES ANT OTHER TECHNOLOGIES**

	COMPANY	NAME OR DESCRIPTION	INDICATION / PROPERTY	APLICATIONS	R&D V	ALIDATION	REGISTER	PATENT	AVAILABLE In the market
AC	AC-Gen Reading Life	WineSeq	Quality control	Wine Industry		1			1
Stingenetics	BIOGENETICS	CANID	Individual and genealogical identification of animals, specially validated in its application to cattle and pets.	Bio - identification of animals by improving the services offered by current systems. Registration of identities that allow affiliation of samples with forensic applications and sanitary control					1
Scholenetics	BIOGENETICS	GENESPECTOR	Portable device for the ubiquitous DNA fragment analysis for molecular safety and traceability of foods using the GENOMID technology.	Certification and analytical verification of GENOMID identity and / or qualities in situ.	1				
A Biomedal	Biomedal	R&D and innovation (RDI) services: RDI consulting and project execution	Technological solutions for the food industry	Food producers of all types	1	1			1
Biopolis	BIOPOLIS	Design, screening and optimization of directed enzymatic catalysis	Conversion of desired molecules by the use of enzymes. Either with commercially available enzymes or using enzymes designed from scratch.	Pharmeceutical, chemical and ingredient producers.	1	1			1
Biopolis	BIOPOLIS	Assessment of waste and byproducts	Pursuit of "zero waste" and value-added use of byproducts in the same or other industries, reducing costs and tapping new revenue sources	Food producers of all types. Chemical industries.	1	$\checkmark$			1
Biopolis	BIOPOLIS	Process enhancement and optimisation	Solution to production problems, with possibility of scaling solutions up to industrial scale to test efficacy	Food producers of all types	1	$\checkmark$			1
Biopolis	BIOPOLIS	Bioremediation of soil and water environments	Screening, design, isolation and validation of microbial strains or consortiums with degrading activities against certain type of molecules.	Chemical industries.	1	1			1
Biopolis	BIOPOLIS	Biofertilizers design and production	Screening, design, isolation and validation of microbial strains or consortiums with enhanced properties for soil such as better assimilation of nutrients or biocide activities.	Agrofood industry.	1	1			1
Biopolis	BIOPOLIS	Fermentation starters	Ensure that fermentation takes place at the proper time and with the selected microorganisms, ensuring uniformity between product batches, control over fermentation time and final product quality	Meat industry / Dairy industry / Bakeries / Alcoholic beverages	1	1			1
Biopolis	BIOPOLIS	Functional evaluation and validation (in vitro and in vivo) of functional ingredients and functional foods	Functionality confirmation in the final product (oxidative stress, obesity, neurodegeneration, diabetes, anti-microbial infection, etc.)	Ingredient producers. Pharmaceutical companies.	1	1			1
<b>BioRaw</b>	Bioraw	Fermentation and downstream processes	600 L, 2,000 L and 12,000 L fermenters	APIs (Active Pharmaceutical Ingredients)					1
	Fundacion MEDINA	MEDScreen	High Throughput Screening of Biotechnological Products	Food producers of all types	1	1			1
9	Fundacion MEDINA	MEDmicro	Microbial Fermentation & Scale Up Platform	Food producers of all types	1	1			1
	Fundacion MEDINA	MEDchemistry	LCMS & NMR Analytical Platform	Food producers of all types	1	1			1
	Fundacion MEDINA	MEDiscovery	Bioactive Molecule Discovery Platform	Food producers of all types	1				1
AshDer	Fundación Parque Científico Tecnológico Aula Dei	Molecular Biology laboratory	Genetic fingerprinting of individuals, varieties and populations. Identification of varieties and phylogenetic relationships. Analysis of genetic diversity in natural populations and breeding. Improving plant genetics. Identification of genes of agronomic	Applicable to all industries. Crop improvement	1	1			1
e GP Pharm	GP-PHARM		Micro nanospheres for release injectable products of peptide		1	1	1	1	1
LEITaT	Leitat	Antibody generation	From immunization up to generation, modification/engineering and production/purification	Applicable to all industries. Useful as detection tools, for diagnosis and monitoring and for therapeutic applications	1	1			
LEIT	Leitat	Natural functional protein hydrolysates enriched in active peptides	Production of peptide-based ingredients from by-products to be used as feed additives and other applications with antioxidant, antimicrobial, anti-inflammatory activity	Functional food and feed ingredients	1				
LEIT	Leitat	Collagen and keratin hydrolysis	Production of protein hydrolizates	Fertilizers, cosmetics, feed, etc.	1				
LEIT	Leitat	Agricultural waste valorization	Production of ingredients from agricultural wastes	Ingredients for food and feed	1				
LEIT	Leitat	Chemical-enzymatic extraction of polyphenols	Extraction and recovery of polyphenols as antioxidants	Natural food and feed preservative	1				
LEIT	Leitat	Microbiological treatment of pollutants including isolation of new consortia	Biotechnological treatment of pollutants using new adapted consortia	Treatment of soils and wastewaters	1				
LEIT	Leitat	Tailored peptide for specific needs obtained from several sources such as	Production of peptide-based ingredients from by-products	Functional food and feed ingredients	1				
LEIT	Leitat	aglae, insects, boletus and food by-products. Collagen and Keratin extraction and recovery	Recovery of ingredients from by-products	Functional food and feed ingredients	1				
LEITat	Leitat	Plasma for sanitising	Sanitising surfaces for food	Oils and fats / Dairy industry / Sugar, cocoa and chocolate / Fish processing and preservation / Fruit	1				
LEITaT	Leitat	Complex intestinal and skin models of microbiota-cells	Depending on the microbiota and model: nutrient absorption, drug response, obesity, metabolic diseases, etc	and vegetable processing and preservation Determine the effect of ingredients/food/feed on microbiota and on human/animal health and well-being	1				
	Leitat	Enzymatic interesterification of fats and oils, and fat crystallisation	Improve the nutritional profile of food products	Oils and fats / Dairy industry / Sugar, cocoa and chocolate	1				
LEITat	Leitat	Reuse of byproducts and coproducts: production of functional products	Production of products for the cosmetic / food / pharmaceutical industry and for animal feed	Oils and fats / Dairy industry / Sugar, cocoa and chocolate / Fish processing and preservation / Fruit	1				
	Leitat	Microencapsulation	Protection of active ingredients / Controlled release / Avoidance of organoleptic problems	and vegetable processing and preservation Dairy industry / Sugar, cocoa and chocolate / Fruit and vegetable processing and preservation /	1				
	Leitat	Biofilms	Study of biofilm formation and validation of technologies for biofilm removal	Bakeries Oils and fats / Dairy industry / Sugar, coccoa and chocolate / Fish processing and preservation / Fruit	1				
managing factorologies	PLANT RESPONSE BIOTECH	Elicitor to stimulate plants' innate immunity	Crop treatment to prevent diseases and increase yields	and vegetable processing and preservation Fruit and vegetable processing and preservation	-				
1990 - C					•	•			· · · · · · · · · · · · · · · · · · ·
	PLANT RESPONSE BIOTECH	Validation of biostimulants	Improving the quality and shelf life of fruit and vegetables	Fruit and vegetable processing and preservation	<i>✓</i>				
	PLANT RESPONSE BIOTECH	Metabolites for plant abiotic stress protection	Crop treatment to prevent abiotic stress and increase yields	Food producers of all types	1	1			

VETERINARY - ANIMAL HEALTH

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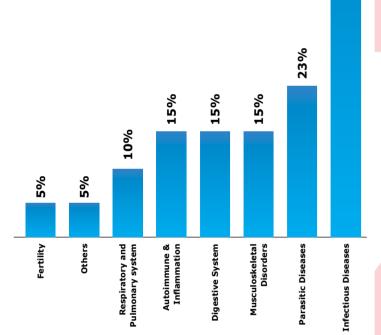
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LOGO	COMPANY	NAME OR DESCRIPTION		INDICATION / PROPERT	Ŷ				R&D	VALIDATION	REGISTER	PAIENI	AVAILABLE In the market
	ALGAENERGY	AlgaePiscis		Fish & livestock. High level of poly	runsaturated fatty acid, w3 type (EP	A, DHA and ARA), proteins, vitamins, and carotenoids			1	1	1	<ul> <li>Image: A second s</li></ul>	1
	Bioibérica	Snacks-Goodogs Caprice & Treat		Snacks for dogs with porcine f <mark>res</mark> i	ı meat				1	1	1	1	1
	Bioibérica	Palbio 50RD		Aids in increasing feed intake and	contributes to the development of t	the intestinal mucosa thanks to its characteristics and hi	igh digestibility						1
	Bioibérica	Nucleoforce Piglets / Horses / Fish / Cows / Poultry / Dogs / S	Salmonids / Shrimps	Nucleotides content for insufficien	t novo or endogenous synthesis (ne	ecessary for development of tissues with a high cell repli	ication rate like reproductive, immune and in	testinal tissues)					1
Biopolis	BIOPOLIS	Probiotics		Addition to a product's formulation	of living microorganisms that are	validated as beneficial for health; confirmation of benefit	t in final product		1	<ul> <li>Image: A second s</li></ul>	1	<ul> <li>Image: A second s</li></ul>	1
Biopolis	BIOPOLIS	Enzymes		Design and production of enzymes	to improve availability of substrate	s in feed. Ability to design and manufacture xylanases, B	-glucanases, pectinases, amylases and prote	ases, among other if required	1	<ul> <li>Image: A second s</li></ul>			1
BIDSEARCH	BIOSEARCH LIFE	HYDROLIV PLUS							1				1
BIDSEARCH	BIOSEARCH LIFE	EXXENTIA		Plant extracts with different function	onalities for healthcare (cardiovasc	ular, digestive, immune system, stress, antioxidants, etc.	)		1		1		1
BIOSEARCH	<b>BIOSEARCH LIFE</b>	HEREDITUM		Probiotics strains for improvemen	t of weight gain in piglets				1	1		1	
BIDSEARCH	<b>BIOSEARCH LIFE</b>	EXXENTIA		Artichoke extract for liver protecti	on								1
Nata	NATAC	HP-40		Hepatic protection					1	1			1
Nete	NATAC	Natacalm		Swine and ruminants					1	1	1		1
Natas	NATAC	Cividox		Antioxidant, vitamin E enhancer. N	eat quality				1	1	1		1
Neter	NATAC	MAC-60		Aquaculture, concentrated olive o	l, economical benefits due to intest	inal protection			1	1	1	1	1
Seprox вютесн	SEPROX BIOTECH	Hydroxytyrosol, hydroxytyrosol acetate and DOPAC		Reduction of contamination by pa	hogens in animal food products				1				



#### VETERINARY

	LOGO	COMPANY	PRODUCT	INDICATION	THERAPEUTIC AREAS		STUDIES LOCATION
		AGROCODE BIOSCIENCE	Arthrostem	Treatment of joint diseases with autologous cell therapy service (using the animal's own cells) based on mesenchymal stem cells for house pets and horses	Musculoskeletal Disorders		Spain
	<b>B</b>	Bioibérica	Denosyl	Dietary supplement with the specific nutritional purpose of enhancing liver function in case of liver failure in dogs or cats	Digestive System		
	<b>B</b>	Bioibérica	DenaMarin	Nutritional supplement designed to provide specific nourishment to help liver function in cases of acute liver insufficiency in dogs and cats	Digestive System		
	<b>B</b>	Bioibérica	Pro-Enteric Triplex	Symptomatic treatment of diarrhoea	Digestive System		
		Bioibérica	Cosequin Cats	Chondroprotective drug being their main ingredients: Chondroitin sulphate and Glucosamine	Musculoskeletal Disorders		
		Bioibérica	Calmurofel	Feline idiopathic cystitis	Autoimmune & Inflammation		Spain
		Bioibérica	CondroVet Taste	Chondroprotective specially recommended for dogs and cats with joint injuries and degenerative processes of the articular cartilage	Musculoskeletal Disorders		
$(\mathbf{D})$		Bioibérica	Cosequin Taste HA	Chondroprotective drug being their main ingredients: Chondroitin sulphate and Glucosamine	Musculoskeletal Disorders		
		Bioibérica	Dysgen Test	DNA chip and a blood sample to evaluate the genetic predisposition of dogs of the Labrador Retriever breed to develop hip dysplasia	Musculoskeletal Disorders		Spain
v. ase	Biopolis	BIOPOLIS	Probiotics and functional ingredients	Pet-food	Autoimmune & Inflammation / Digestive System / Infectious Diseases		Worldwide
ebio.	INGENASA	Ingenasa	INgezim Besnoitia	ELISA assay for especific antibodies detection to Besnoitia besnoitii in bovine sera samples	Infectious Diseases		Spain
com 🧡	INGENASA	Ingenasa	INgezim TB Procina	ELISA assay for detection of especific antibodies to Mycobacterium bovis complex, in porcine sera samples	Infectious Diseases	****************	Spain
	INGENASA	Ingenasa	PPV-VLP	Porcine Parvovirus	Infectious Diseases		Europe
	INGENASA	Ingenasa	IBOV-VLP	Gumboro Disease	Infectious Diseases	****************	Europe
	INGENASA	Ingenasa	INgechip Allergies	Allergen especific lgE levels detection in canine sera <mark>samples, based on microarray technology</mark>	Autoimmune & Inflammation / Other: Allergy	****************	Europe
	Aquilón 🎯	Aquilon CYL	AQ1401 Brucellin BM	IntradermoDiagnostic of False Positives to current stan <mark>dard methods</mark>	Infectious Diseases / Other: Reproductory system		
$( \land$	💪 LETI	Laboratorios LETI	LETIFEND	Canine leishmaniasis vaccine	Parasitic Diseases	****	Europe
	Aquilón 🎯	Aquilon CYL	AQ1201	Swine Dysentery	Digestive System / Infectious Diseases		Spain
σ	bionaturisgroup	Bionaturis	BNT015	Porcine Circovirus Type 2	Infectious Diseases		Spain, China
õ	bionaturisgroup	Bionaturis	BNT004	Nematodes in livestock	Parasitic Diseases		Spain, Brazil
<u> </u>	bionaturisgroup	Bionaturis	BNT011	Salmonid Rickettsial Septicaemia	Infectious Diseases		Latam
	bionaturisgroup	Bionaturis	BNT005	Canine leishmaniasis	Parasitic Diseases		Spain
	bionaturisgroup	Bionaturis	BNT006	Growth promoter and immune enhancer (Swine and poultry)	Autoimmune & Inflammation / Infectious Diseases / Parasitic Diseases		Mexico, Spain, UK, South Africa
σ	bionaturisgroup	Bionaturis	BNT025 (MUPIPET)	Skin infections in pets (canine pyoderma, atopic and allergic dermatitis-associated infections)	Infectious Diseases		Spain
Ζ.	bionaturisgroup	Bionaturis	BNT007	Gumboro disease (poultry)	Infectious Diseases		China
$\mathbf{\hat{O}}$	bionaturisgroup	Bionaturis	BNT010	Classical Swine Fever	Infectious Diseases		Spain, Taiwan, China
~	🔁 MSD	MSD	INP (Activyl Plus)	Control of transmission of leishmaniasis by sand fly bites	Parasitic Diseases		Spain
-	🔁 MSD	MSD	ISO (CBPI oral)	Treatment of flea and tick infestation in dogs	Parasitic Diseases		Spain
	🔁 MSD	MSD	HIP (CBP1 topical)	Treatment of flea and tick infestation in dogs and cats	Parasitic Diseases		Spain
to Alpin	🔁 MSD	MSD	MCR (Zuprevo)	Prevention of respiratory diseases in pigs	Respiratory and Pulmonary system		
	🔁 MSD	MSD	FPO (Flunixin Transdermal)	Adjunctive therapy in the treatment of bovine respiratory disease and mastitis in dairy cattle	Autoimmune & Inflammation / Respiratory and Pulmonary system		Spain
	Aquilón 🎯	Aquilon CYL	AQ1203	Antigenic composition as vaccine adjuvant for Respiratory diseases caused by bacteria from the Pasteurellacea family	Infectious Diseases / Respiratory and Pulmonary system		Spain
CONTRACT DE ESMANA	BIONANOPLUS	Bionanoplus	Antigen delivery for vaccines. Encapsulation of antigens with a polymer to increases the vaccination efficacy.	Vaccines	Infectious Diseases		
SEE	plomune	DIOMUNE SL	MASTIPRO	Mastitis	Infectious Diseases		Spain
CONCERCION OF STREET	Domine	DIOMUNE SL	BABEINMUNE	Babebiosis	Infectious Diseases / Parasitic Diseases		SPAIN
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