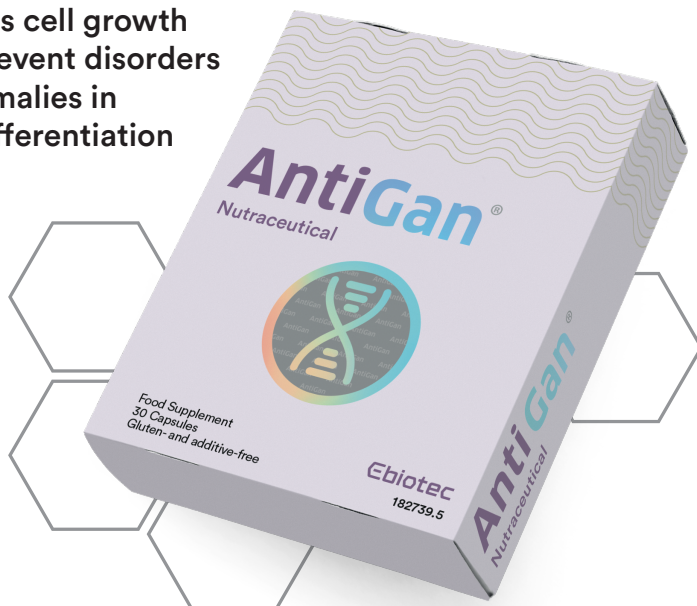


Regulates cell growth
Helps prevent disorders
and anomalies in
tissue differentiation



Data Sheet

BRAND NAME
AntiGan®

MANUFACTURER
EuroEspes Biotechnology S.A.
(EBIOTEC).

NATIONAL CODE (SPAIN)
182739.5

ORIGIN
Conger conger, *Congridae* family .

PRODUCT
E-CONGERINE-10423®

STUDIES
Supported by basic and clinical
scientific studies.

COMMERCIAL PRESENTATION
Box of 30 capsules,
containing 3 blisters and one leaflet.

RECOMMENDED DOSE
3 capsules/day during meals.

COMPOSITION
250 mg of E-CONGERINE-10423®,
100% extract of *Conger conger*,
in hard gelatin capsules.

What is AntiGan?

AntiGan® is a nutritional supplement with 100% natural ingredients obtained from the marine species conger (*Conger conger*, of the *Congridae* family), by non-denaturing biotechnological processes that enable the preservation of all the healthy properties of the original species.

Composition

Extracto E-Congerine-10423®. Marine proteins of high biological value. Essential amino acids needed for protein synthesis and correct cell division. Natural mono- and polyunsaturated fatty acids, mainly of the Omega 3 type. Vitamins, essentially B, D and A. Minerals, essentially phosphorus, potassium and magnesium.

Reference Analysis per 100 g

PROTEINS: 75 - 85%		LIPIDS: 0.5 - 15%			
Amino Acids %		Saturated fatty acids (% Lipids)		MINERALS	
GLUTAMIC ACID	13.7	PALMITIC	21.8	PHOSPHORUS	1000 mg
ASPARTIC ACID	8.3	STEARIC	8.6	CALCIUM	164 mg
LYSINE	7.8	MYRISTIC	4.6	MAGNESIUM	134 mg
LEUCINE	6.5	Monounsaturated (% Lipids)		IRON	14 mg
ARGININE	5.4	OLEIC	23.2	ZINC	3 mg
ALANINE	4.8	PALMITOLEIC	5.5	VITAMINS	
VALINE	3.8	GADOLEIC	4.9	VITAMIN B ₃	7.6 mg
THREONINE	3.8	Polyunsaturated (% Lipids)		VITAMIN B ₁	0.2 mg
ISOLEUCINE	3.7	LINOLEIC	12.0	VITAMIN B ₂	0.1 mg
SERINE	3.4	DHA	6.3	VITAMIN D	0.3 mcg
PHENYLALANINE	3.2	DPA	3.2	CARBOHYDRATES: 0 - 4 %	
GLYCINE	3.1	LINOLENIC	2.0		
PROLINE	2.9	EPA	1.8		
TYROSINE	2.7				
METHIONINE	2.3				
HISTIDINE	2.1				
CYSTEINE	0.9				
TRYPTOPHAN	0.8				

NUTRITIONAL ANALYSIS (per 3 capsules)

ENERGY VALUE	10.71 kJ 2.55 kcal
TOTAL FATS	12 mg
OF WHICH SATURATES	3 mg
TOTAL CARBOHYDRATES	12 mg
OF WHICH SUGARS	0 mg
PROTEIN	600 mg
SALT	4.5 mg
E-CONGERINE-10423®	750 mg

Note: For health professionals only

The information contained in this data sheet is directed to health professionals.

Bibliography

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Indications

Main benefits: AntiGan® helps strengthen the immune system and induces apoptosis or cell death in human tumor cell lines. In addition, AntiGan® inhibits the progression of premalignant colon lesions in animal models. AntiGan® contributes to improving tolerance to antitumor treatments by decreasing adverse effects; improving the response of the immune system; reducing the risk of illness; for better recovery from periods of convalescence; and maintaining an adequate balance of the organism and a correct functioning of organs and systems.

Nutritional properties

1. E-Congesine-10423® extract is the structural base of AntiGan®. It contains all the biological properties of the original species
2. Lyophilization is the core technology used in the manufacture of AntiGan®. This technology enables the extraction and concentration of nutrients and active molecules in a pharmaceutical form. The application of this technique enables all the healthy properties of the original raw material to remain unchanged.
3. AntiGan® contains essential fatty acids: omega 3 (alpha-linolenic, EPA and DHA), omega 6 (linoleic), and omega 9 (oleic acid). The omega 3 and 6 fatty acids accomplish fundamental physiological functions in the organism, and have important health properties, the most notable being cardioprotection.
4. AntiGan® contains a high protein content with a high nutritional value due to its content in essential amino acids. Proteins are fundamental structural and functional elements within each cell of the body and are involved in a wide range of physiological functions. All cells, tissues and organs contain proteins that are essential for their growth and repair, and therefore for the maintenance of good health.
5. AntiGan® contains vitamins A and D in large quantities, and B vitamins, principally B₁ and B₃. Minerals, such as phosphorus, potassium, and magnesium.

Precautions

AntiGan® contains a purified extract of fish. Not suitable for persons allergic to any of its ingredients. Not suitable for people with phenylketonuria. Do not exceed the recommended daily dose. Keep out of the reach of children. Should not be used as a substitute for a balanced diet.

Does not contain gluten or additives.

WHAT IS A NUTRACEUTICAL?

Nutraceuticals are products derived from natural sources whose nutritional and functional characteristics provide benefits to help improve health and therefore reduce the risk of suffering diseases; they may be combined with other active ingredients or exogenous nutrients such as vitamins, minerals, antioxidants, fatty acids, etc.; however, this type of products, which cover a wide range of possibilities, should be taken as part of a healthy, balanced diet and never as a replacement for it.

General Health Register
Nº: 26.06671/C



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Ebiotec
EuroEspes Group

ISO 9001 CERTIFIED COMPANY

OUR OWN MANUFACTURING PROCESSES:

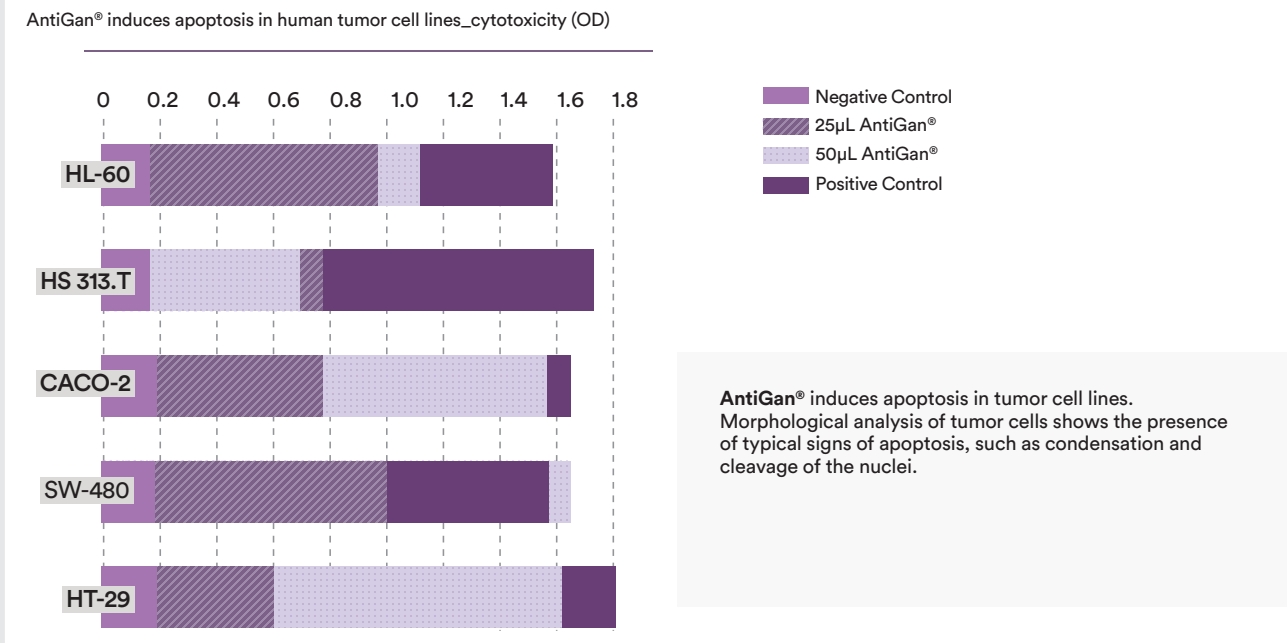
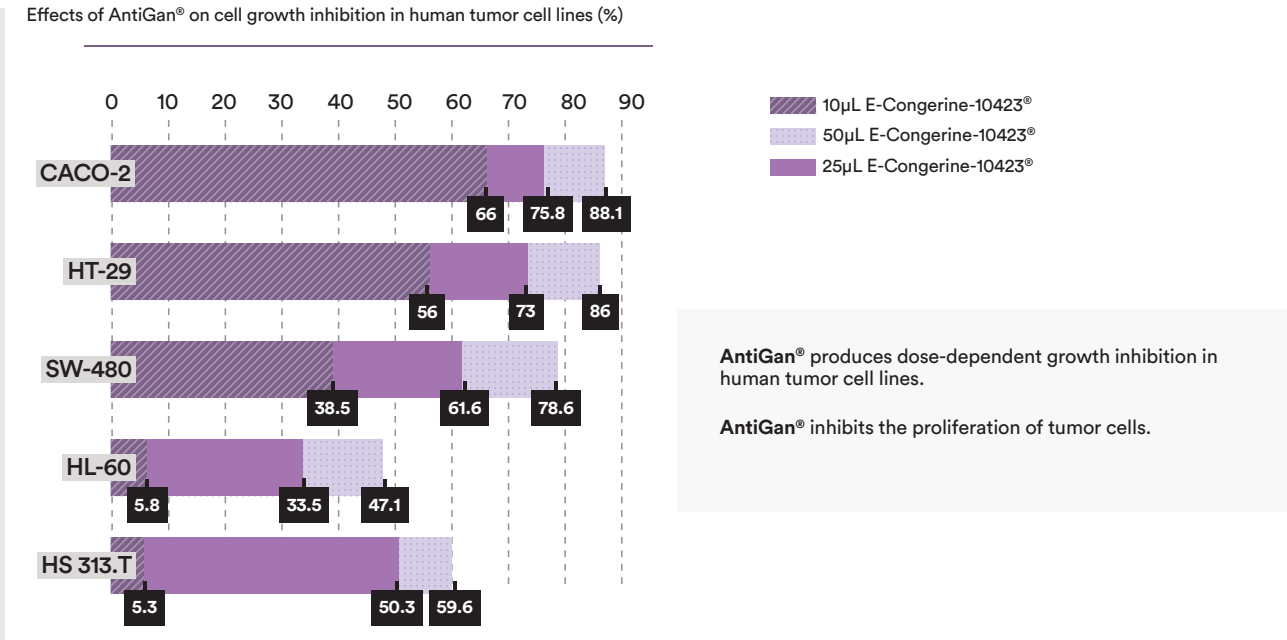
AntiGan® is a nutritional supplement belonging to the marine line of nutraceuticals developed and manufactured by EuroEspes Biotechnology S.A. (Ebiotec).

The nutraceutical bioproducts manufactured by EuroEspes Biotechnology are not limited to a particular nutrient (e.g. omega 3) or to a set of minerals and vitamins, or a specific protein complex, but because of their structure they contain a set of healthy substances that will help in many aspects of life for the maintenance of good health. Origin: A single species. The raw material comes from sustainable fishing, which is not the case of some omega 3 that comes from endangered species or species that maintain the balance of the trophic chain of oceans and seas. Our products are 100% natural and in the manufacturing process no synthetic chemical industrial processes are used (free of additives, etc).



01. AntiGan® *in vitro* produces cytotoxicity in different tumor cell lines of human origin.

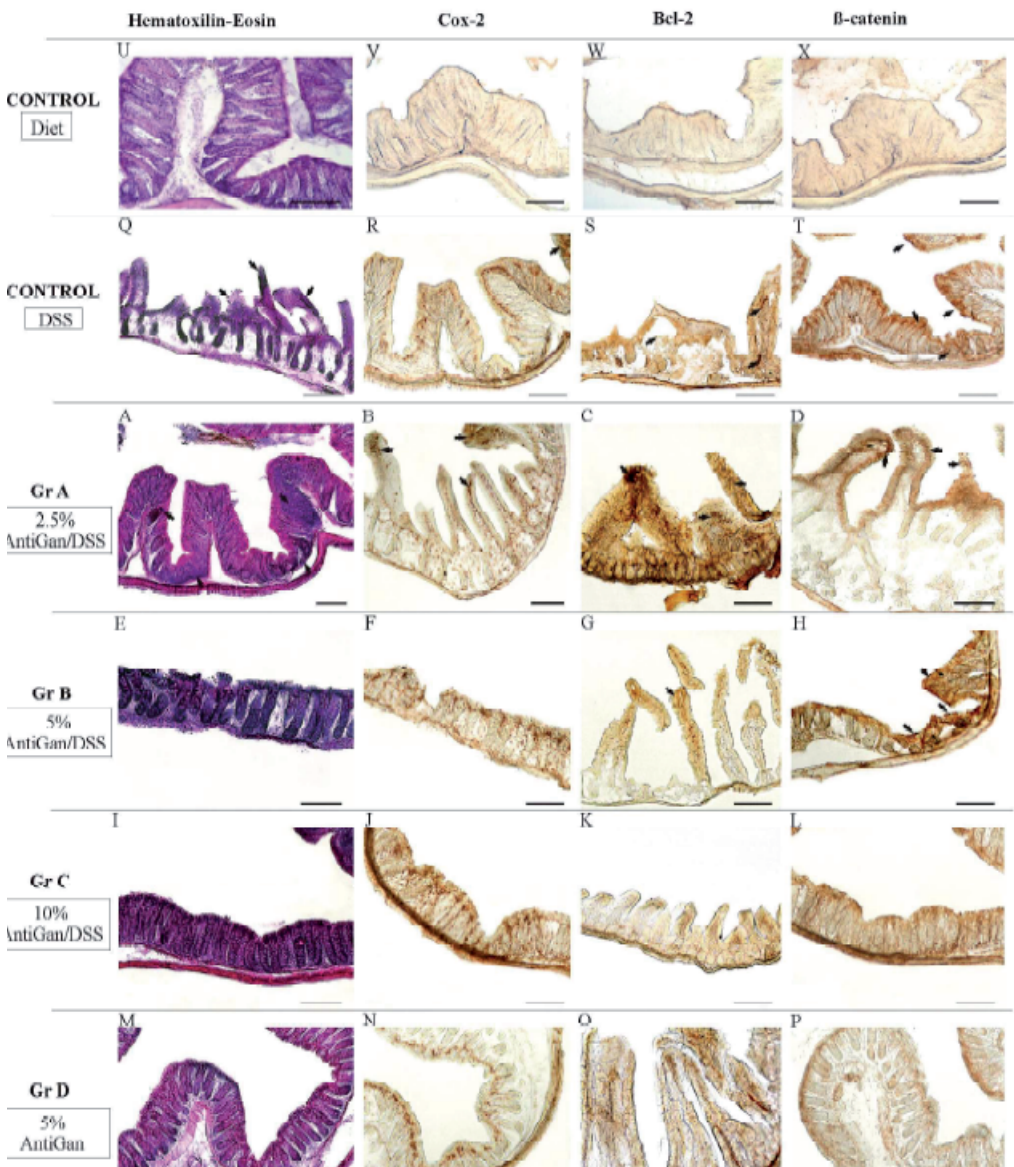
The *in vitro* anti-tumor effect of AntiGan® was studied in different human tumor cell lines: HL-60 (Acute promyelocyticleukemia), HS 274.T (Adenocarcinoma of the breast), HS313.T (Lymphoma), H2126 (Non-small cell lung adenocarcinoma), WM 115 (Melanoma), HS 281T (Breast adenocarcinoma), Caco-2 (Colorectal adenocarcinoma), HT-29 (Colorectal adenocarcinoma) and SW-480 (Human colon adenocarcinoma).



02. AntiGan®, in an *in vivo* animal model of ulcerative colitis, protects against the development of premalignant lesions.

In an animal model of ulcerative colitis induced by exposure to 2% DSS, it was observed that six weeks' treatment with AntiGan® produces an improvement in terms of reduction of colorectal lesions. Histological stains and pre-tumor cell markers used to assess the severity of the lesions demonstrated the protective effect of AntiGan® against DSS-induced inflammation. AntiGan® prevents the development of premalignant lesions in a mouse model of colitis, inhibiting the genesis of colorectal tumors.

Comparative images of the immunoreactivity of several tumor markers specific to ulcerative colitis in the intestine of mice and their different treatments. The intestinal sections of the mice of groups A and B, treated with **AntiGan®** (both with 2.5% and 5%), show a remarkable histoprotective effect by reducing the degeneration of the cell layers of the intestine, although the C group (10%) is the one with the best results. Group D demonstrates total absence of **AntiGan®** cytotoxicity in the intestine.

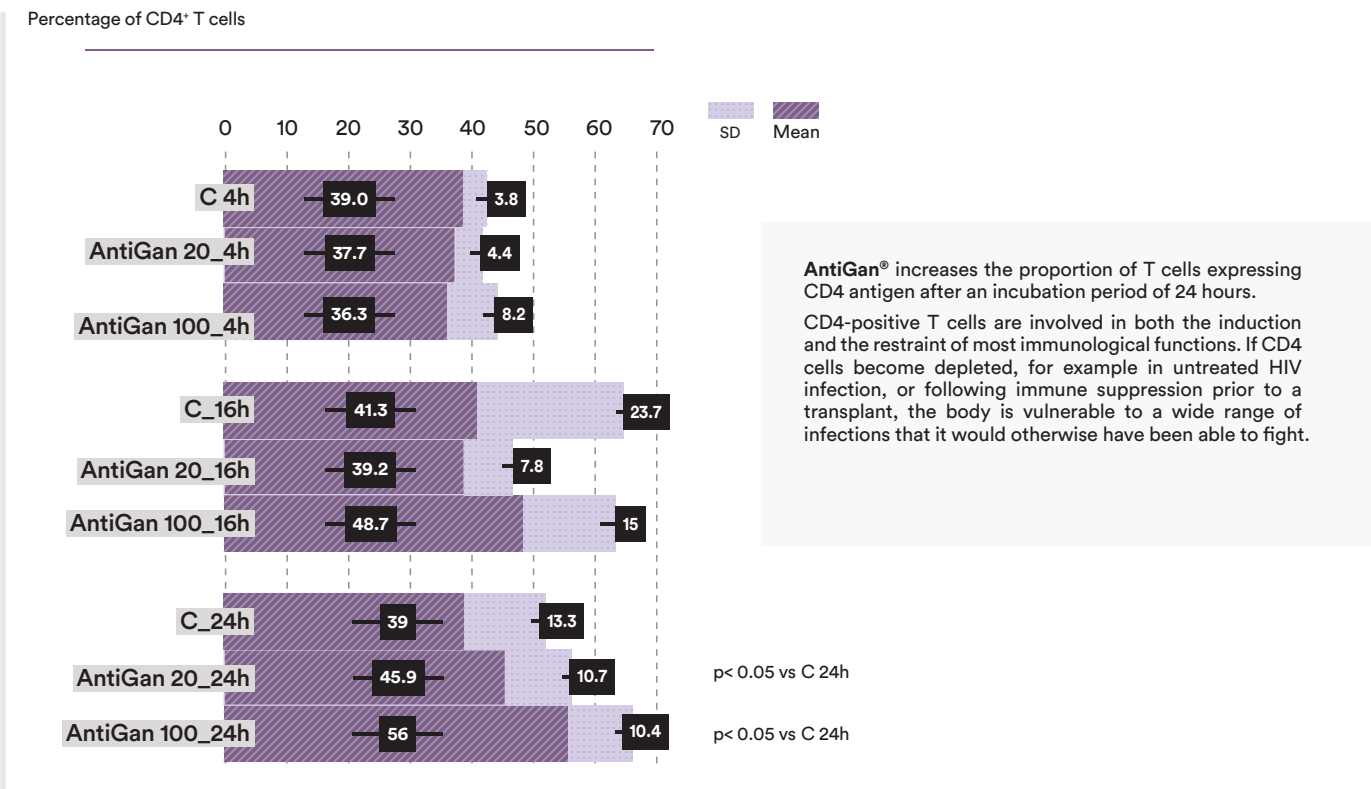


DSS (Dextran sulfate sodium), toxic that simulates degeneration of intestinal cells affected by ulcerative colitis; **AntiGan®**, dose of **AntiGan®** administered together with the diet in animal models of ulcerative colitis. Cox-2, colonic neoplasia biomarker; Bcl-2, oncoprotein biomarker; β-catenin, polyps dysplasia biomarker.

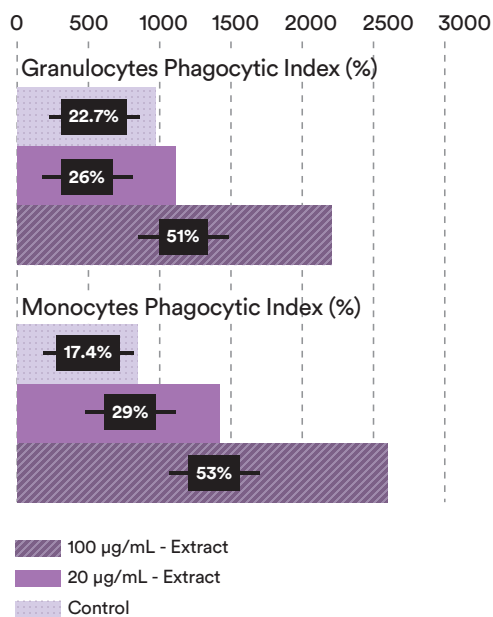
Note: For health professionals only

03. AntiGan® in an *in vivo* animal model of cold stress induces stimulation of the immune system.

Rats were subjected to a situation of immunosuppression induced by exposure to a hypothermic shock, and rat blood cells were cultivated *in vitro* with two concentrations of AntiGan®, 20 and 100 µg/mL.



Effects of AntiGan® on phagocytic activity of granulocytes and monocytes (Index)



AntiGan® increases the phagocytic capacity of granulocytes and monocytes during an incubation period of 24 hours.

Phagocytes are crucial in fighting infections, as well as in maintaining healthy tissues, by removing dead and dying cells that have reached the end of their lifespan.

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