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**BIOTECHNOLOGY  
IN SWEDEN**



**INVESTMENT  
CANADA**

**INVESTISSEMENT  
CANADA**

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**BIOTECHNOLOGY  
IN SWEDEN**

INFORMATION CENTRE  
CENTRE D'INFORMATION

JUN 29 1988

INVESTMENT CANADA  
INVESTISSEMENT CANADA

Investment Canada  
May 1988

NAME: AC Biotechnics AB ESTABLISHED: 1982

ADDRESS: P.O. Box 946 CITY: S-22009 Lund

COUNTRY: Sweden FAX: 46-46159291

PHONE: (46)181700 TELEX: 33063 acbtec s

NUMBER OF EMPLOYEES: 60

REVENUE: 75 million SKr ASSETS:

PARENT: Provendor AB

CONTACTS: Conny Gustafsson, Managing Director; Harold Skagman, Technical Director; Stefan Lindqvist, Financial Director.

SUBSIDIARIES: AC Biotechnics Inc.(US).

AGREEMENTS: With Degussa for licencing and development of L-tryptophan.

RESEARCH: Into toxic wastewater treatments, organic intermediates, optically active compounds and indole derivatives.

PRODUCTS: Amino acids, amino acid technology, citric acid technology, organic intermediates and ANAMET process (wastewater treatment). A unique plasmid stabilization technique.

IN DEVELOPMENT:

HISTORY:

A9

NAME: Alfa Laval AB ESTABLISHED: 1878

ADDRESS: P.O. Box 500 CITY: Tumba S-14700

COUNTRY: Sweden FAX:

PHONE: 46-753-65000 TELEX: 10260 also s

NUMBER OF EMPLOYEES: 15,300

REVENUE: 0.1 billion Skr. ASSETS:

PARENT:

CONTACTS: Harry Faulkner, President; Carl-Gustaf Rosen, Research Director; Meyer Salfati, VP Biotechnology.

SUBSIDIARIES: Chemap (Switzerland); Chemap Inc.(US).

AGREEMENTS: With Boehringer Ingelheim to supply fermentation equipment. With Gene Link Australia to distribute calf scours (RES-Q) treatment. With Genentech to supply fermentation equipment. With MIT to finance biochemical process centre at MIT. With QLONE (Aust) to design and manufacture a large scale fermenter.

RESEARCH: Livestock breeding, embryo transfer, animal health, grasslands management, animal cell culture, biotechnology processes, equipment, systems and pulp paste.

PRODUCTS: Membrane separation equipment. BIOSTIL, an industrial biotech scale-up system. Ultrafiltration and reverse osmosis equipment systems.

IN DEVELOPMENT:

HISTORY: Joint venture with Pharmacia AB to develop equipment and systems for the large scale manufacture of biotechnology products. Major shareholders include Lundbergforetagen (17.65%), Providentia (11.19%) and SPP (3.24%).

NAME: Astra Group AB ESTABLISHED: 1913  
ADDRESS: Kvarnbergagatan 16 CITY: S-15185 Sodertalje  
COUNTRY: Sweden FAX:  
PHONE: 0755-32980 TELEX: 19237 astra s

NUMBER OF EMPLOYEES: 6.678

REVENUE: 5.0 billion Skr. ASSETS: 72.1 billion Skr.

PARENT:

CONTACTS: Dr. Bertil Ekstrom, Research Director; Ulf Widengren,  
President

SUBSIDIARIES: Astra Alab AB, Astra Lakemedel AB, Astra Pharmaceutical  
Production AB, AB Dracol AB Tika.

AGREEMENTS:

RESEARCH: Cardiovascular diseases, respiratory diseases, antibiotics and  
pain relief.

PRODUCTS: Recombinant modification of beta-lactam producing  
organisms. FOSCAVIR, an antiviral aimed at HTLV/LAV.

IN DEVELOPMENT:

HISTORY: Investment in Syn Tek (25%).

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NAME: BioCarb AB ESTABLISHED: 1984

ADDRESS: S-22370 CITY: Lund

COUNTRY: Sweden FAX:

PHONE: 46-168600 TELEX: 8305152

NUMBER OF EMPLOYEES:

REVENUE: ASSETS:

PARENT:

CONTACTS: Per Sgoberd

SUBSIDIARIES: BioCarb Chemicals, MonoCarb.

AGREEMENTS:

RESEARCH: Biologically active carbohydrates for human and veterinary applications in diagnostics, therapeutics and prophylaxis.

PRODUCTS: Monoclonal antibodies, biochemicals, cell cultures, fermentations and research enzymes.

IN DEVELOPMENT:

HISTORY: Investors include Erik Penser (25%) and Anders Wall (25%).

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NAME: BioCell Laboratories AB ESTABLISHED:

ADDRESS: Box 604 CITY: S-75125 Uppsala

COUNTRY: Sweden FAX:

PHONE: 18-163000 TELEX:

NUMBER OF EMPLOYEES:

REVENUE: ASSETS:

PARENT: Fortia-Pharmacia AB

CONTACTS:

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: Cell biology, tissue culture and immunology.

PRODUCTS:

IN DEVELOPMENT:

HISTORY:

HL

NAME: Bioinvent International

ESTABLISHED: 1983

ADDRESS:

CITY: Lund

COUNTRY: Sweden

FAX:

PHONE:

TELEX:

NUMBER OF EMPLOYEES:

REVENUE:

ASSETS:

PARENT:

CONTACTS: Thomas Loob

SUBSIDIARIES:

AGREEMENTS:

RESEARCH:

PRODUCTS: Performs hybridoma development, MAb production, reagents and additives for research. Starter cultures for the food animal healthcare products industries.

IN DEVELOPMENT: *In-vitro* immunization system for producing MAbs.

HISTORY:



UK

NAME: BioNative AB ESTABLISHED: 1985  
ADDRESS: Box 1452 CITY: S-901 24 Umea  
COUNTRY: Sweden FAX:  
PHONE: 46/090-190190 TELEX:

NUMBER OF EMPLOYEES: 15

REVENUE: ASSETS:

PARENT:

CONTACTS: Hakan Borg, Managing Director.

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: Production of natural interferon components. Diagnostics for assay of interferon alpha and antibodies to interferon alpha in serum.

PRODUCTS: Highly purified interferon alpha components. Natural interleukin-2 (IL-2). Antisera to interferon alpha.

IN DEVELOPMENT: Highly purified IFN alpha Le in Phase III clinicals.

HISTORY:

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NAME: BioPool AB ESTABLISHED: 1982  
ADDRESS: Box 1454 CITY: S-90124 Umea  
COUNTRY: Sweden FAX:  
PHONE: 90-19-0000 TELEX: 8485026

NUMBER OF EMPLOYEES: 12

REVENUE: 4.5 million SKr ASSETS:

PARENT:

CONTACTS: Mats Ranby, President

SUBSIDIARIES:

AGREEMENTS:

RESEARCH:

PRODUCTS: Diagnostic tests and reagents aimed at cardiovascular assays for pharmaceutical companies and clinical researchers.

IN DEVELOPMENT:

HISTORY: Initially started with help from Skandigen.

NAME: Carbohydrates International ESTABLISHED: 1986

ADDRESS: Box 6 CITY: S-23200 Arlov

COUNTRY: Sweden FAX:

PHONE: 40-431530 TELEX:

NUMBER OF EMPLOYEES: 55

REVENUE: ASSETS:

PARENT: Swedish Sugar Company

CONTACTS:

SUBSIDIARIES: Carbohydrates International Inc.(US).

AGREEMENTS:

RESEARCH: Organic synthesis of carbohydrate structures both bioorganic synthesis and the application of technology to diagnostics.

PRODUCTS: Biologically active sugars.

IN DEVELOPMENT:

HISTORY:

136

NAME: Carmeda

ESTABLISHED:

ADDRESS:

CITY: Taby

COUNTRY: Sweden

FAX:

PHONE:

TELEX:

NUMBER OF EMPLOYEES:

REVENUE:

ASSETS:

PARENT:

CONTACTS:

SUBSIDIARIES:

AGREEMENTS:

RESEARCH:

PRODUCTS: Biologically active surfaces that are applied to medical devices.

IN DEVELOPMENT:

HISTORY:

NAME: Fermenta AB ESTABLISHED: 1982  
ADDRESS: Mariefredsvagen 35 CITY: Strangna S-15200  
COUNTRY: Sweden FAX:  
PHONE: 468-23-8350 TELEX: 12792 FERMS

NUMBER OF EMPLOYEES:

REVENUE: ASSETS:

PARENT: Volvo (20%), Electrolux (20%).

CONTACTS: Ove Sundberg, President

SUBSIDIARIES: Fermenta Products Inc.(US), Fermenta Pharmaceuticals Inc.(US), Fermenta SA (FR), Roferm (It), Pro-Chim RE (It), SDS Biotech (US)

AGREEMENTS: With Genex through Pierrel for research, development and marketing of L-phenylalanine for aspartame production. With Mitsubishi to market products in the Far East.

RESEARCH:

PRODUCTS: Penicillin and other antibiotics.

IN DEVELOPMENT:

HISTORY: Formed through spin-off of Astra Pharmaceuticals in 1982. Investments in Kabigen AB and option to buy 11% of Pharmacia AB from Svenska Handelbraken. Kabigen interest sold to KabiVitrum. Penicillin plants outside Sweden sold to Burns, Philip & Co.

M

NAME: Hilleshog AB ESTABLISHED: 1967  
ADDRESS: P.O. Box 302 CITY: S-26123 Landskrona  
COUNTRY: Sweden FAX:  
PHONE: 46-418-26060 TELEX: 72361 HILLES S

NUMBER OF EMPLOYEES: 1,051

REVENUE: 595 million SKr ASSETS:

PARENT: Provendora Food AB

CONTACTS: Nils Olof Bosemark; Peter Erik Persson, President

SUBSIDIARIES: Hilleshog Sugar Beet Seed AB, Hilleshog Forestry AB, W. Weibull AB.

AGREEMENTS:

RESEARCH: Tissue culture research into sugar beet seeds and forest plants and research into the production of medicinal plants/substances.

PRODUCTS: Breeders and producers of sugar beet seed, seed pelleting and agricultural seeds.

IN DEVELOPMENT:

HISTORY: Investments in Advanced Genetic Sciences (US) and Plant Genetic Systems SA (Bel) for parent.

NAME: KabiGen AB ESTABLISHED: 1978  
ADDRESS: Strandbergsgatan 49 CITY: Stockholm S-11287  
COUNTRY: Sweden FAX:  
PHONE: 46-8-138000 TELEX: 17065

NUMBER OF EMPLOYEES: 65 (14 Phds.)

REVENUE: 20 million SKr ASSETS:

PARENT: KabiVitrum (90%).

CONTACTS: Kerstin Sirvell, President. Staffan Josephson, Research Manager; Roger Bishop, Marketing Manager.

SUBSIDIARIES:

AGREEMENTS: With Genentech for research into human Growth Hormone (hGH).

RESEARCH: E. coli expression/secretion system (EcoSec system) for peptide, peptide immunogen and subunit vaccine production. Factor VIII, tPA, IGF-I, IGF-II, brain-IGF, antithrombin III and peptide hormones including secretin and vasoactive intestinal peptide.

PRODUCTS: Insulin-like growth factor-I (IGF-1) and rabbit anti-IGF-I. EcoSec, an E.coli expression/secretion system for the production of biologically active peptides in large amounts and of high purity.

IN DEVELOPMENT: Brain-IGF in preclinicals. Mastitis vaccine in preliminary testing. Porcine diarrhea vaccine in preliminary testing. IGF-I in preclinicals. tPA in preclinicals. Factor VIII in preclinicals.

HISTORY:

NAME: KabiVitrum AB ESTABLISHED: 1931  
ADDRESS: Lindhagensgatan 133 CITY: S-12287 Stockholm  
COUNTRY: Sweden FAX:  
PHONE: 8-13-8000 TELEX: 17065 kabi s  
NUMBER OF EMPLOYEES: 2,100  
REVENUE: 1.36 billion Skr. ASSETS:  
PARENT: Procordia AB.

CONTACTS: Soren Gyll, Chairman, Jan Ekberg, Medical Director.

SUBSIDIARIES: 18 companies in the nutrition, haematology, peptide hormones and pharmaceutical fields.

AGREEMENTS: With Biogen (US) to develop and market human somatomedin C. With Genentech (US) to develop and market DNA produced hGH outside U.S.A. With Sumitomo (Japan) to market rDNA hGH and somatomedin C. With Yeda (Israel) to develop and market tPA.

RESEARCH:

PRODUCTS:

IN DEVELOPMENT:

HISTORY: Bought 45% of KabiGen in 1987.



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NAME: Karolinska Biotech (Karo Bio) AB (SEE NOVUM)

ESTABLISHED: 1987

ADDRESS: Huddinge University Hospital CITY: S-14186 Huddinge

COUNTRY: Sweden FAX:

PHONE: TELEX:

NUMBER OF EMPLOYEES:

REVENUE: ASSETS: \$50 million

PARENT:

CONTACTS:

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: Infectious disorders, bone and calcium metabolism and steroid antagonists as it affects the aged..

PRODUCTS:

IN DEVELOPMENT:

HISTORY: Investors include California Biotechnology, Swedish Investment Bank, National Pension Fund and AMF Insurance.

*Chem*

NAME: LKB Produkter AB ESTABLISHED: 1943  
ADDRESS: Box 305 CITY: S-16126 Bromma  
COUNTRY: Sweden FAX:  
PHONE: 08-980040 TELEX: 10492

NUMBER OF EMPLOYEES: 1,600

REVENUE: 992 million SKr ASSETS:

PARENT: Incentive AB

CONTACTS: Lennart Arlinger; Bibi Wallenborg; Stig Stendahl, President

SUBSIDIARIES: 16 wholly owned subsidiaries and 60 distributors worldwide.

AGREEMENTS:

RESEARCH:

PRODUCTS: Instrumentation and reagents for biotech applications.

IN DEVELOPMENT:

HISTORY:

VR

NAME: MIAB ESTABLISHED: 1979  
ADDRESS: Box 97 CITY: S-74100 Knivsta  
COUNTRY: Sweden FAX:  
PHONE: 8-1658-5051 TELEX:  
NUMBER OF EMPLOYEES: 10  
REVENUE: ASSETS:  
PARENT:  
CONTACTS:  
SUBSIDIARIES: MIAB Inc. (US), MIAB SA (Fr).  
AGREEMENTS:  
RESEARCH:  
PRODUCTS: Immunosorbent purified antibodies of tracer quality for RIA, EIA and IF techniques.  
IN DEVELOPMENT: Allergen preparations for use in in-vitro allergy diagnosis by RAST.  
HISTORY:

VBF

NAME: Medipharm AB ESTABLISHED: 1974  
ADDRESS: Box 4051 CITY: S26204 Angelholm  
COUNTRY: Sweden FAX:  
PHONE: 431-31025 TELEX:

NUMBER OF EMPLOYEES: 11

REVENUE: 10 million SKr ASSETS:

PARENT: Monopharm Ltd.(49%), Monor State Farm (41%) (Hungary),  
Pharmatrade Foreign Trading Co. (10%).

CONTACTS: Mats Fischier

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: Products for the prevention of enteric diseases in piglets and  
calves and for fodder conservation.

PRODUCTS:

IN DEVELOPMENT:

HISTORY:

*Chen*

NAME: Milkfood AB ESTABLISHED: 1914  
ADDRESS: P.O. Box 42 CITY: S-26023 Kageroo  
COUNTRY: Sweden FAX:  
PHONE: 418-83060 TELEX: 72587  
NUMBER OF EMPLOYEES: 110  
REVENUE: 240 million Skr ASSETS:  
PARENT:  
CONTACTS: Erik Egnell, President; Vincent Gustafsson  
SUBSIDIARIES:  
AGREEMENTS:  
RESEARCH:  
PRODUCTS: Freeze dried bacteria for the food and drug industry.  
IN DEVELOPMENT:  
HISTORY:

VZ

NAME: Monocarb AB ESTABLISHED:  
ADDRESS: Box 5116 CITY: S-22005 Lund  
COUNTRY: Sweden FAX:  
PHONE: 46-103453 TELEX:  
NUMBER OF EMPLOYEES:  
REVENUE: ASSETS:  
PARENT:  
CONTACTS:  
AGREEMENTS:  
RESEARCH:  
PRODUCTS: MAb's for blood grouping reagents.  
IN DEVELOPMENT:  
HISTORY:

NAME: NOVUM ESTABLISHED: 1989

ADDRESS: Huddinge University Hospital CITY: S-14186 Huddinge

COUNTRY: Sweden FAX:

PHONE: 8-711-8730 TELEX:

NUMBER OF EMPLOYEES:

REVENUE: ASSETS:

PARENT:

CONTACTS:

SUBSIDIARIES: Centre for Biotechnology (a research foundation), Nutrition Research Centre, Karolinska Biotech.

AGREEMENTS:

RESEARCH:

PRODUCTS: Major centre for clinical and academic research in Sweden and is the commercialization body for research.

IN DEVELOPMENT:

HISTORY:

*Ch*

NAME: Pernovo AB ESTABLISHED:  
ADDRESS: Hamntorget 3 CITY: S-25221 Helsingborg  
COUNTRY: Sweden FAX:  
PHONE: 42-183500 TELEX:  
NUMBER OF EMPLOYEES:  
REVENUE: ASSETS:  
PARENT: Perstorp AB  
CONTACTS:  
SUBSIDIARIES:  
AGREEMENTS:  
RESEARCH:  
PRODUCTS: Equipment and reagents for the bioseparation and  
bioprocessing industries.  
IN DEVELOPMENT:  
HISTORY:



NAME: Perstorp AB ESTABLISHED: 1881  
ADDRESS: CITY: Perstorp S28400  
COUNTRY: Sweden FAX:  
PHONE: 435-38000 TELEX: 72470 perstps

NUMBER OF EMPLOYEES: 5,500

REVENUE: 4.0 billion Skr. ASSETS: 2.6 billion Skr.

PARENT:

CONTACTS: Arne Lindberg; Karl Erik Sahlberg, President

SUBSIDIARIES: Perstorp Biotec AB, Pernovo AB, Pierce Chemical Co.(US),  
Perstorp Biolytica.

AGREEMENTS: With Biocarb to jointly develop new techniques for the  
isolation of biologically active substances for facilitating production of  
vaccines and purification of hormones.

RESEARCH:

PRODUCTS: Lodosorb, a cadexomer iodine. Cerviprost, obstetric product.

IN DEVELOPMENT:

HISTORY: Has invested in Codon, Genetics Labs and Creative BioMolecules.

H.C. →

NAME: Perstorp Biolytica ESTABLISHED:

ADDRESS: CITY: S-22370 Lund

COUNTRY: Sweden FAX:

PHONE: 46-168780 TELEX:

NUMBER OF EMPLOYEES:

REVENUE: ASSETS:

PARENT: Perstorp AB

CONTACTS: Nils Siegbahn, VP Business Development

SUBSIDIARIES:

AGREEMENTS: Looking to collaborate with large firms in the microcarrier field.

RESEARCH:

PRODUCTS: Bacterial receptors for monoclonal antibodies, high performance liquid affinity chromatography (HPLAC), hollow fibre membranes, a two-phase aqueous separation process and macroporous gelatin microcarriers for mammalian cell culture.

IN DEVELOPMENT:

HISTORY:

NAME: Perstorp Biotec AB ESTABLISHED: 1984  
ADDRESS: CITY: S-28480 Perstorp  
COUNTRY: Sweden FAX:  
PHONE: 04-35-38000 TELEX: 72000

NUMBER OF EMPLOYEES:

REVENUE: 250 million SKr (87) ASSETS:

PARENT: Perstorp AB

CONTACTS: Gosta Wiking, President.

SUBSIDIARIES: Perstorp Analytical AB, Bifok AB, Health Products Inc.(US),  
Perstorp Pharma AB, Lumac (Holland).

AGREEMENTS:

RESEARCH:

PRODUCTS: Analytical systems, specialty chemicals, separation products  
and pharmaceuticals.

IN DEVELOPMENT:

HISTORY:

NAME: Pharmacia AB ESTABLISHED: 1911  
ADDRESS: Rapskatan 7 CITY: Uppsala S-75125  
COUNTRY: Sweden FAX: 46-18126077  
PHONE: 18-163000 TELEX: 76027 pharmus

NUMBER OF EMPLOYEES: 5,171

REVENUE: 3.4 billion Skr ASSETS:

PARENT: Volvo AB (43%)

CONTACTS: Erik Danielsson, CEO. Elof Johannsson, EVP

SUBSIDIARIES: Leo AB. LKB Produkter AB, Pharmacia Ophthalmics Inc.(US), Pharmacia Genetic Engineering Inc. (US), Pharmacia Nu-Tech Inc.(US).

AGREEMENTS: With Chiron for the development and distribution of rDNA SOD. With Electro-Nucleonics Inc. for joint R&D into allergy and diagnostic products. With Virovahl SA to develop and market HIV tests produced by Syntello AB. With Portion International to use joint technologies for producing hormones on a large scale basis.

RESEARCH: Into rDNA probes for ras oncogenes.

PRODUCTS: Over 50 biotechnologically produced drugs, vaccines and diagnostics on the market as well as several separator processes (accounts for 30% of sales).

IN DEVELOPMENT: SPHEREX, a drug delivery system for use in cancer chemotherapy. Dipentum, for the treatment of ulcerative colitis. TRUE TEST, for the diagnosis of allergic contact dermatitis.

HISTORY: Investments in Electro-Nucleonics Inc.(20%) and Excorim (33%). FKA Fortia AB.

(14)

NAME: ProBel AB

ESTABLISHED: 1983

ADDRESS: Box 800

CITY: S-69180 Bofors

COUNTRY: Sweden

FAX:

PHONE: 586-81000

TELEX: 73346

NUMBER OF EMPLOYEES:

REVENUE:

ASSETS:

PARENT: Kemi Nobel AB

CONTACTS: Sune Bjorsten, President.

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: Products for plant and wood protection, surface active agents, gelatin technology and food systems.

PRODUCTS:

IN DEVELOPMENT:

HISTORY:

NAME: Provendor Food AB ESTABLISHED: 1966 (Prov. AB, 1907)

ADDRESS: Box 17050 CITY: Malmo 17 S-20010

COUNTRY: Sweden FAX:

PHONE: 40-230164 TELEX:

NUMBER OF EMPLOYEES: 9,000

REVENUE: 10 billion SKr ASSETS:

PARENT: Volvo AB

CONTACTS: Kurt Ostlund, Managing Director, Bengt Belfrage, Director of Technology.

SUBSIDIARIES: Hillehog AB, AC Biotechnics AB.

AGREEMENTS: With ICI for joint R&D on plant breeding. With Advanced Genetic Sciences and three other firms to start Plant Genetic Systems SA (Bel) for R&D in plants and microorganisms. With Plant Genetic Systems for joint research virus resistant sugarbeets.

RESEARCH: Agriculture, seed breeding, prepared food, fish and meat.

PRODUCTS:

IN DEVELOPMENT:

HISTORY: Formerly Cardo AB. Investments in Plant Genetic Systems SA and Advanced Genetic Sciences (18.7%).

WZ

NAME: Sangtec Medical (AKA Skangtec Medical) EST: 1972

ADDRESS: Box 20045 CITY: S-16120 Bromma

COUNTRY: Sweden FAX:

PHONE: 46-898-8330 TELEX: 12570 bonmeds

NUMBER OF EMPLOYEES: 30

REVENUE: 20 million SKr ASSETS:

PARENT:

CONTACTS: Hans Henriksnas, President

SUBSIDIARIES:

AGREEMENTS:

RESEARCH: tPA/B1 and antibodies for immuno-histochemistry. Novel assay systems focused on tissue polypeptide antigen used as a diagnostic tool in cancer research and treatment.

PRODUCTS: Prolifigen(R) TPA IRMA, Prolifigen(R) TK-REA and Prolifigen (R) PLAP EIA.

IN DEVELOPMENT:

HISTORY:

NAME: Skandigen AB ESTABLISHED: 1983  
ADDRESS: CITY: S-11143 Stockholm  
COUNTRY: Sweden FAX:  
PHONE: 08-796-9590 TELEX:

NUMBER OF EMPLOYEES:

REVENUE: 23.3 million SKr (86) ASSETS: 272.3 million SKr

PARENT:

CONTACTS:

SUBSIDIARIES: Skandigen Innovation AB(91%), Fermentech Ltd.(UK)(96%),  
SISKA Diagnostics Inc.(US)(50%).

AGREEMENTS: With Swedish Bacteriological Laboratory to transfer  
whooping cough vaccine developed by TRION for \$1 million US plus 5%  
royalty on net sales.

RESEARCH:

PRODUCTS: Venture capital firm for the biotech industry.

IN DEVELOPMENT:

HISTORY: Investments in BioNative AB (24%), Biostar Inc.(US)(32%),  
CytRx-BioPool Ltd.(UK)(5%), InfoCard Nordiska AB (20%), InroBioMedTek AB  
(33%), Kuhn Forschungs AG (FRG)(33%), Company M ( )(25%), Sepragen  
Group ( ) (3%), TRION AB (30%), Varex Corp.(US)



Vp 2

NAME: Stena Diagnostics AB ESTABLISHED: 1983  
ADDRESS: Box 12136 CITY: S-40242 Goteborg  
COUNTRY: Sweden FAX:  
PHONE: 31-427340 TELEX: 21978 diagnos s  
NUMBER OF EMPLOYEES: 25  
REVENUE: ASSETS:  
PARENT: Stena Group  
CONTACTS: Lars-Goran Hagberg, President  
SUBSIDIARIES: Stena Therapeutics AB  
AGREEMENTS:  
RESEARCH:  
PRODUCTS: MAbs for the identification and diagnosis of human carcinomas.  
IN DEVELOPMENT:  
HISTORY:

NAME: Synbiocom ESTABLISHED: 1984  
ADDRESS: P.O. Box 1451 CITY: S-90124 Umea  
COUNTRY: Sweden FAX:  
PHONE: 90-190120 TELEX:

NUMBER OF EMPLOYEES: 20

REVENUE: ASSETS:

PARENT:

CONTACTS:

SUBSIDIARIES: Synbiocom Inc.(US).

AGREEMENTS:

RESEARCH: Protein production in pro and eucaryotic cell systems, identification of cell membrane carbohydrate receptors and corresponding microbial lectines, and organic synthesis of natural carbohydrate receptors and their analogues.

PRODUCTS: Synthetic oligonucleotides, synthetic carbohydrates derivatives for biological use and a diagnostic test for B-lactamase activity.

IN DEVELOPMENT:

HISTORY:

