INVESTIGA
RESEARCH INSTITUTES

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PRODUCTS DEVELOPMENT AND SERVICE

Group Investiga is located in the heart of the technological center of Campinas,being reference in the assessment of safety, efficacy, photoprotection, quality of prototypes, sensory analysis, studies with consumers, laboratory analyses, chemical and biological evaluations, efficacy studies in 3D skin model, product development and services based on molecular and metagenomics biology, for food, cosmetics, pharmaceutical and veterinary products, comprising their different development phases, supporting the marketing and products registration areas with technical dossier.

20 YEARS IN THE NATIONAL AND INTERNATIONAL MARKET

The story of Group Investiga begins in 1993, through the entrepreneurial vision of the founders. The Group's growth in Brazil broadened the perception of its services in the international market, and today, operates in countries of Latin America, Europe, and also in the United States and Japan

The Group Investiga is formed by the union of the companies Allergisa, Perception, Dosage, and Invitrocell, which have their own characteristics, but are integrated into a common point, to ensure their clients satisfaction and their respective customers, with innovative and validated services in national and international regulatory agencies.

Mission

To offer innovative services of great quality in the clinical, sensory, analytical and biological fields, specially developed to assure clients and consumers satisfaction.

Values

Human: centered on a transparent, harmonious and mutual growth relationship among its employees, clients, study subjects, suppliers and consumers.

Ethical: to transform the business activity into something with real value for the society, by providing reliable services, with scientific strictness and social and environmental responsibility.

Scientific: based on the research capacity, innovation and technical expertise, structuring the precepts of quality assurance of the services.

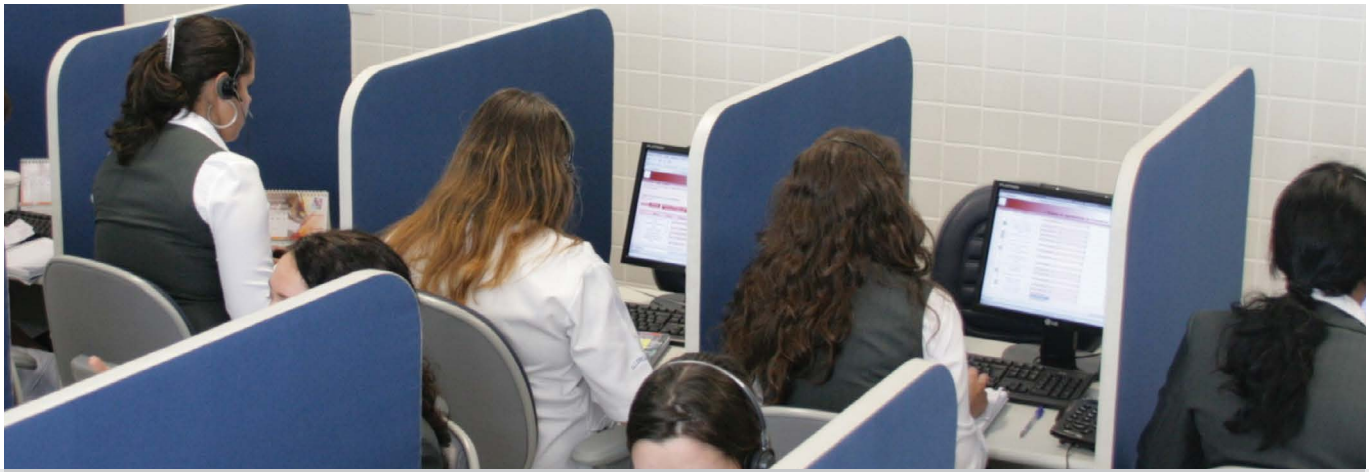
Employees

The investment in the personal and professional development of its employees allows assembling a multidisciplinary technical team, which comprises the diverse fields of technological support and knowledge of the Group Investiga.

HUMAN POTENTIAL

The team is formed by dermatologists, gynecologists, urologists, pediatricians, ophthalmologists, allergists, dentists, pharmacists, chemists, biologists, food engineers, statisticians, administrators, psychologists and technologists.

Each one of them - doctors, masters, graduated and technicians - is responsible for adding knowledge that allows providing different and competitive high technology services.

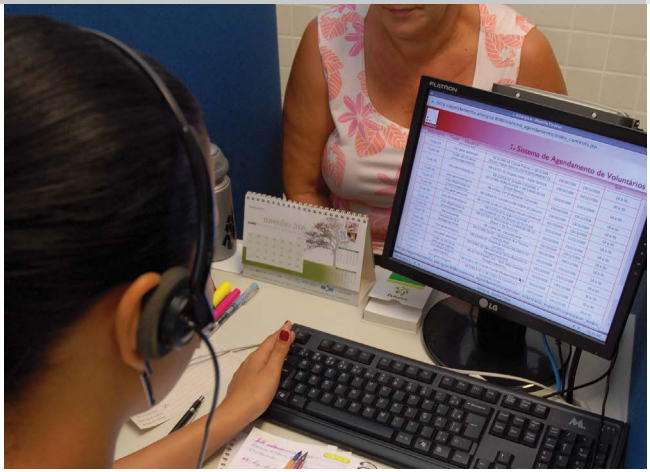


13.000 PEOPLE REGISTERED IN THE DATABASE

Study Subjects

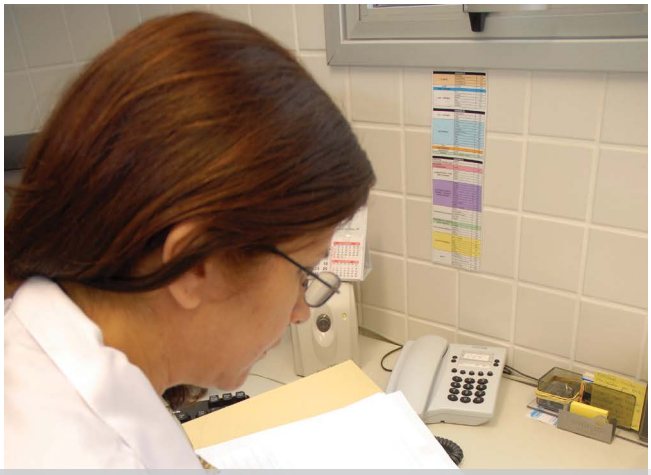
The study subjects recruitment department - skilled in selecting people with the most diverse profiles - operates in a timely manner in the formation of study groups requested by the clients.

About 13.000 people are kept in the database with the most varied characteristics presented by an individual, whether morphological, physiological and behavioral.



The careful and systematic examination of the activities developed by the Group Investiga, are verified by internal and external auditors, guaranteeing the excellence of the services and allowing the improvement of the processes with agility.

The Group Investiga has specialized nucleus in the development and implementation of the standards ISO 9001, ISO 17025, Good Laboratory Practices, Good Clinical Practices



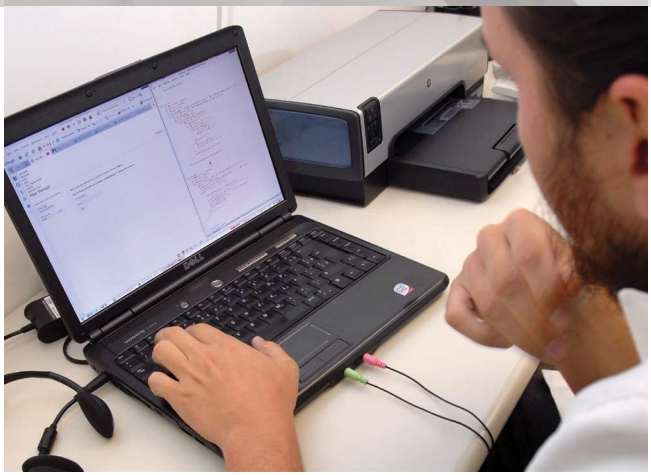
QUALITY ASSURANCE

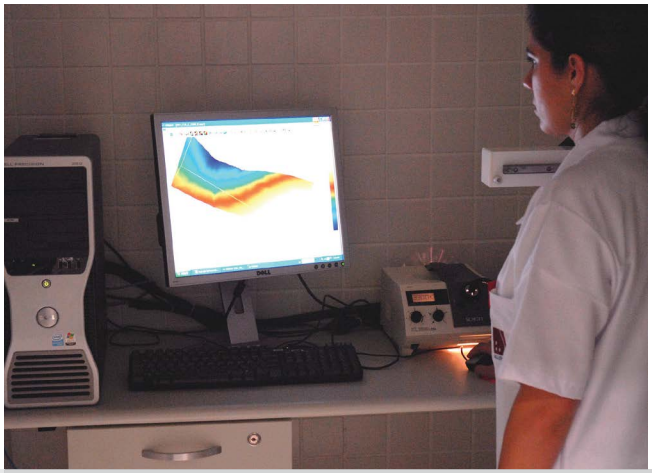
Statistics

The Group Investiga has a Statisticians Team specialized in the design and statistical analysis of the studies.

By using advanced softwares, the professionals are proud of their great expertise in: Multivariate Methods, Biostatistics, Parametric Methods, Non-Parametric Methods, Experimental Planning and applied statistic to Sensory and Consumer Science.

These professionals work in all study stages, ensuring control, quality and reliability of the analyses produced.





The Group Investiga develops internal and external study projects and technological innovation, maintaining "discussion groups" that contribute to the scientific community, presenting works at the most important national and international congresses and publishing articles in influential journals.

SCIENTIFIC AND TECHNOLOGICAL POTENTIAL

It participates in scientific projects in the areas of Molecular and Cell Biology focused on the study of skin physiology, development of vaccines by molecular route in partnership with research centers of international repute based on universities like the University of Campinas UNICAMP and Federal University of São Paulo (UNIFESP).

Today with 52 hundred square meters building, the Group Investiga provides the best conditions to perform the services, ensuring the welfare of the employees, judges and study subjects.

Aspects such as ergonomics, ventilation, circulation, lighting, contribute to create a pleasant, healthy and productive environment.

The rooms are large for testing distribution, and acclimatized with controlled temperature and humidity, in addition to:

- 4 Sets of Sensory Booths (White, green and red lights installed; Acclimatized; Exhaustion System; 2 Computerized Sets; 2 Sets with Individual Sinks)

INFRASTRUCTURE

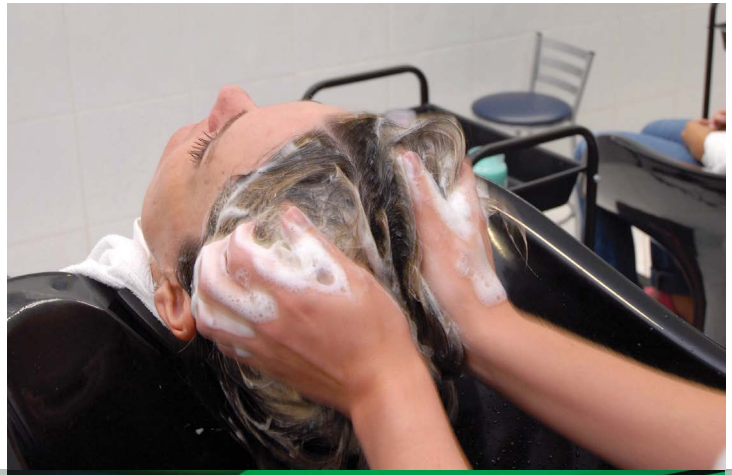
- 4 Samples Preparation Labs (Labs with refrigerator; 1 Lab with cooktop and microwave; Acclimatized; Exhaustion System)
- 2 One-way Mirror Rooms (Observation room)
- 4 Shower Booths and 4 Sink Booths (Temperature Control; Acclimatized; Exhaustion system)
- 2 Hair Salon Labs (Temperature Control, Hardness Water Control, Acclimatized)
- 2 Hot rooms for antiperspirant study
- SPF Laboratories
- Microbiological laboratory
- Physicochemical and analytical laboratory
- 10 rooms, 5 of them with acclimation system (temperature and humidity), totaling 275 seats for studies with subjects.
- Cell Culture Laboratory
- Molecular Biology Laboratory

52 HUNDRED SQUARE METERS BUILDING

- Microbiological laboratories;
- Amphitheater with capacity for 30 people, to carry out training, courses and seminars;
- Medical clinic, with offices and surgery center.

The IT infrastructure ensures total integrity and confidentiality of clients information, interconnecting the units through advanced technologies.

Grupo Investiga Companies

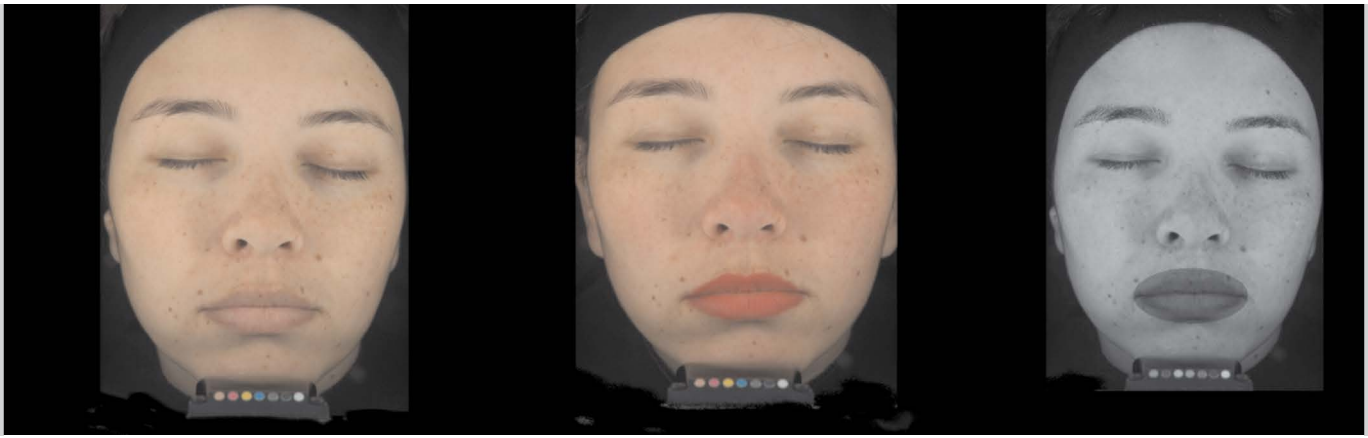


ALLERGISA: specialized in clinical assessments of the safety, efficacy and photoprotection of products, which have contact with the consumer skin, with medical assistance.

PERCEPTION: specialized in the elaboration, conduction and statistical analysis of sensory studies data and consumer studies for many products categories.

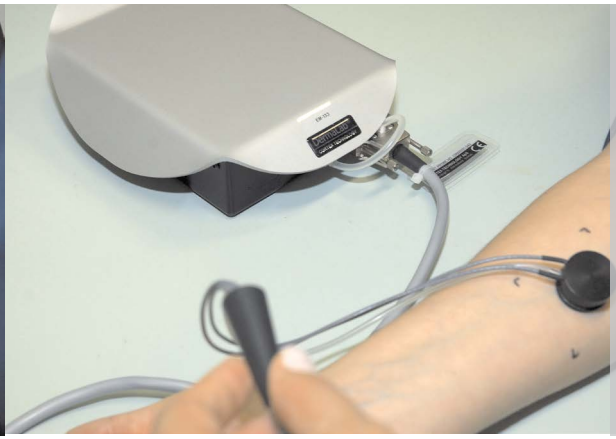
DOSAGE: specialized in performing Analytical Chemistry and Microbiology studies services. These services are projected for the support of products development and quality control.

INVITROCELL: specialized in biological studies and base studies for the development of models, by using cellular and molecular biology techniques.



ALLERGISA
CLINICAL TRIALS

tometer® MPA 580



ALLERGISA

Allergisa is a pioneer company in Brazil in its field. Performing efficacy and safety assessments of cosmetics, pharmaceuticals and other products that get in contact with the consumer's skin.

SAFETY AND EFFICACY OF THE PRODUCTS

Qualified by ANVISA (National Health Surveillance Agency - Agencia Nacional de Vigilância Sanitária), the methodologies used for the safety assessments comply with international guidelines, meeting the national and international regulatory needs.

The clinical tests performed at Allergisa follow the Good Clinical Practices and the Brazilian legislations in force, particularly the Resolution 466/12 of the Brazilian Ministry of Health. Our quality system meets the ISO 17025, assuring complete safety for the performance of the procedures.

Products for skin treatment

Assessment of products efficacy of skin treatment, through clinical and sensory analyses.

Arm wash; Acnegenicity/Acne Treatment; Skin Barrier; Shine/Pore; Erythema.

Evaluation of products efficacy by using specific equipments.

Elasticity and Firmness; Oiliness; skin pH; skin Relief/ Wrinkles; Spots; Skin Moisturization;

Deodorant products

Efficacy assessment of deodorant and antiperspirant products

Visual Assessment of underarms lightening / darkening;

Assessment of the amount of deodorant residues on the clothes.

EFFICACY ASSESSMENTS

Products for hair treatment

Efficacy assessment of hair and scalp products, through sensory, instrumental and clinical studies.

In vivo salon test in hair locks, assessing softness, gloss and volume; Combability; Breaking; Image Analysis;

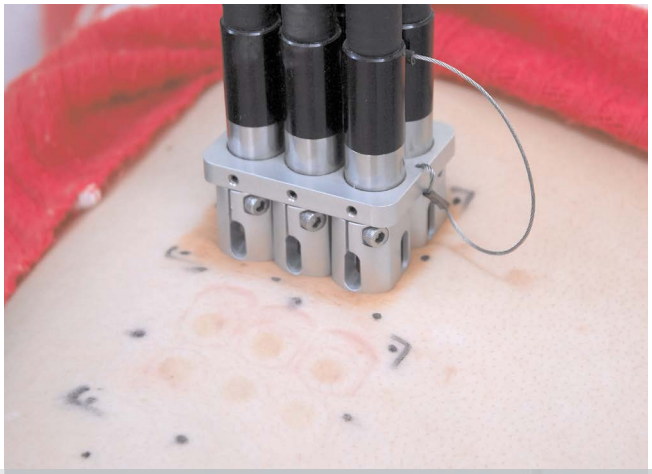
Hair straighteners, dyes and bleaching powder; Dandruff and hair loss assessments; Assessments of damages caused by UV radiation; Tension and deformation; Restoring damaged hair (MEV).

Make-Up

Make-up efficacy assessment.

Other

Efficacy assessment of oral hygiene products; Preventive or healing study of diaper rash; Antiseptics and in vivo antimicrobial activity; Estimation of the product SPF; Determination of the product photostability.



PHOTOPROTECTIVE PRODUCTS

Photoprotective products efficacy assessment, through FDA, Colipa, JCIA and Australiana methodologies.

SPF and UVA-PF determination (PPD); UVA protection in vitro determination; Water resistance; Sweat resistance (Sports activities); Photoprotection in tissues.

SAFETY ASSESSMENTS

Compatibility

To determine under controlled conditions whether the products are potentially irritant or allergenic through patch tests.

Primary Irritation (PI); RIPT (Irritation/ Sensitization); 21 DCI (irritation); Sensitization; Photoallergy; Phototoxicity.

Acceptance under Real Use Conditions

To prove the absence of adverse reactions under real use conditions, under foreseeable and reasonably foreseeable situations, through clinical assessments performed by specialist physicians.

Applied in products for dermatological, lip, oral, hair, penile mucosa, sensitive skin, pediatric, gynecological, ophthalmological, dental use.

Comedogenicity

To assess the comedogenic potential - the product ability to develop "blackheads" - through clinical and laboratorial assessments.

Eye Irritation

To assess the eye irritation of children products, such as shampoos, conditioners and soaps, in terms of the safety of using claims such as: ophthalmologically approved; tear-free; it does not irritate the eyes.

COSMETIC SURVEILLANCE

Legal and medical assistance to the consumer service; Costumer Service Technical Coordination; Training of Costumer Service Teams.

PERCEPTION

SENSORY AND CONSUMERS STUDIES

PERCEPTION

Perception is a company specialized in the elaboration, conduction and statistical analysis of sensory and consumer studies data for many products categories: cosmetics, home and personal care, food and beverages, fine fragrance and paints.

TRAINED SENSORY ASSESSORS

Trained assessors describe and quantify the sensory attributes perceived in products using quantitative scales.

The results of these assessments enable: to assess the impact of changes in formulation and in the process of a product manufacturing over its sensory attributes; to map the prototypes sensory profile and marketed products; to support sensory claims; to provide subsidies for the formulations development that meet their specific sensory requirements (softer, smoother, less oily etc.)

TRAINED PANEL

The TRAINED PANEL may be developed for any category of products according to the sponsor's objective.

Perception already has the following Trained Panel calibrated and validated for immediate assessments:

PROTOCOLS DEVELOPED ACCORDING TO THE SPONSOR'S OBJECTIVE

Skin Care Products
Assessment of sensory attributes of emulsions for skin care products (lotions and moisturizers, sunscreens).

Deodorants
Assessment of drying time and stickiness over time of roll on and cream deodorants.

Products for hair treatment
Quantitative assessment of the sensory attributes perceived in products for hair treatment before, during and after use.

Substantivity of perfumes
Evaluation of the intensity of perfumes on skin over the time, allowing to estimate the duration of the perfume on skin.

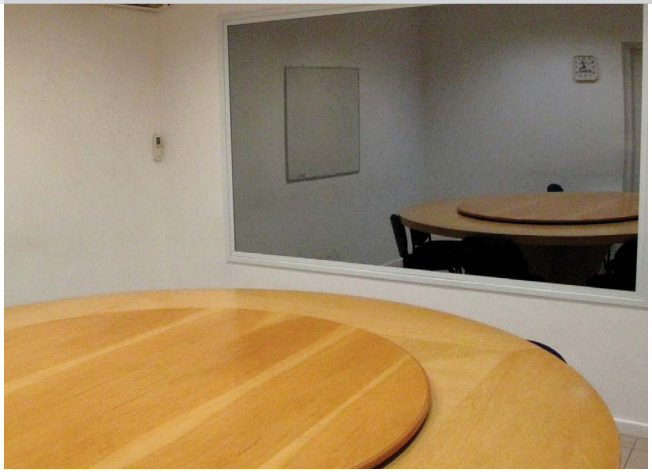
Odor neutralization efficacy
Efficacy assessment of sanitizing products to neutralize or to reduce malodors.

Olfactory Panel
Assessment of fragrances intensity or odors, such as, paints, environmental odors, moisturizing lotions, hair products.

CONSUMERS STUDIES

The studies with consumers are used to assess the OVERALL ACCEPTANCE and PREFERENCE of consumers concerning their perception of sensory attributes of the assessed products. In addition of being extremely important to predict the consumers perception concerning the sensory attributes assessed, they are widely used to substantiate sensory claims and to investigate the sensory drivers of the consumers preference.

CONSUMERS ACCEPTANCE AND PREFERENCE



Perception offers know-how and facilities (sensory booths, mirror rooms, etc) to perform the Quantitative Studies in Central Location (CLT) and home use (HUT), qualitative studies in the mirror rooms (Focus Group, In- Depth Interviews) and In-Home Visits.

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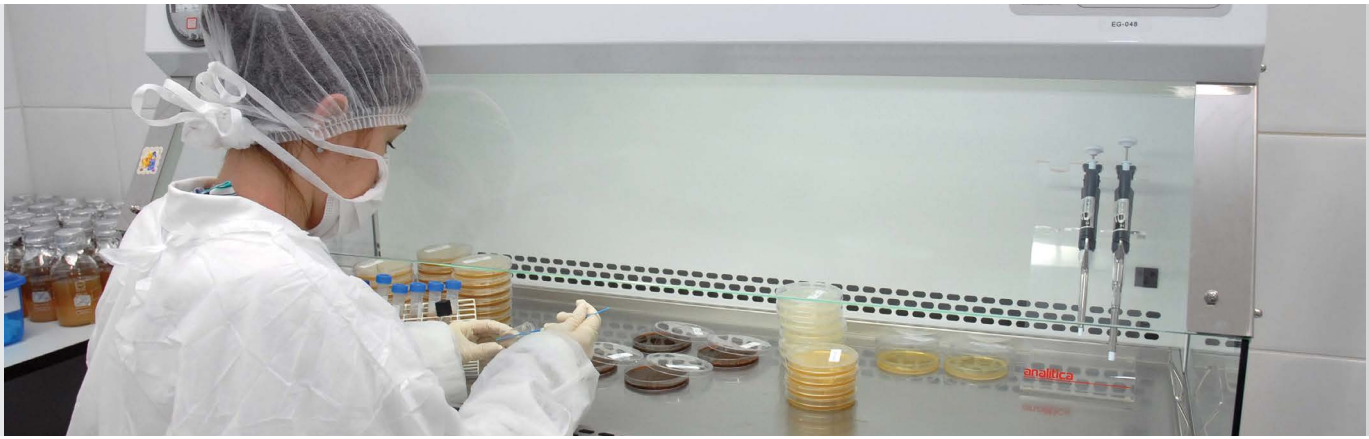
DOSAGE

ANALYTICAL CHEMISTRY AND MICROBIOLOGY


analitica

DOSAGE

Dosage focus on providing tests services and studies in the chemical and biological area. Its services are used in many industries fields and in the support of the development and control of products quality control.

GLP studies for the agriculture, cosmetic, pharmaceutical, veterinary-pharmaceutical and sanitizing sectors.

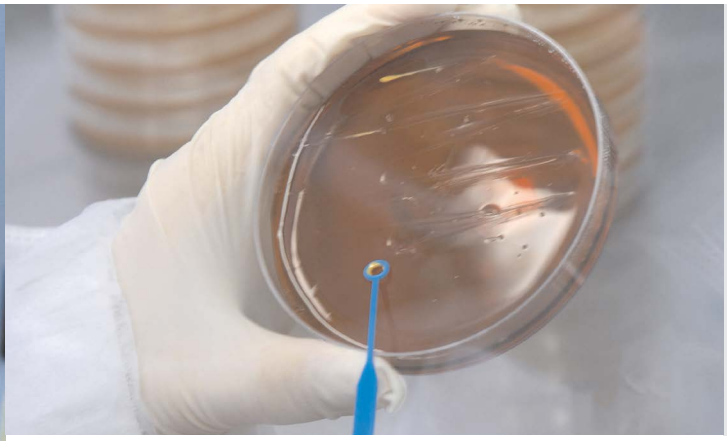
TESTS FOR NEW PRODUCTS DEVELOPMENT

Stability Determination of finished products

Accelerated Stability; Shelf-life Stability; Chemical stability of actives (Vitamin C and A, among others); Efficacy Evaluation in preservative systems by using the microbiological challenge test (Challenge test, according to USP, CTFA, ASTM, ABC, among others).

In vitro Antimicrobial Efficacy Evaluation

Evaluation of antimicrobial activity (Inhibition Hale); Evaluation of bactericidal/ fungicidal activity (Time Kill test); MIC & MMC determination; Material resistance to fungus attack; Evaluation of antimicrobial efficacy of surfaces (Films and fabrics).



In vivo Antimicrobial Efficacy Evaluation

Evaluation of antimicrobial products for hands and skin asepsis;

Evaluation of deposition and persistent effect of soaps and deodorants.

In vitro percutaneous permeation in Franz cells systems

Evaluation of skin permeation and retention for formulations bioequivalence;

Evaluation of formulations equivalence to meet the semi-solids formulation post registration demands.

Physicochemical studies

Solid contents, Determination of tense actives, Fluorine content, formaldehyde determination, Density, Organoleptic, pH, Viscosity, Melting point, among others.

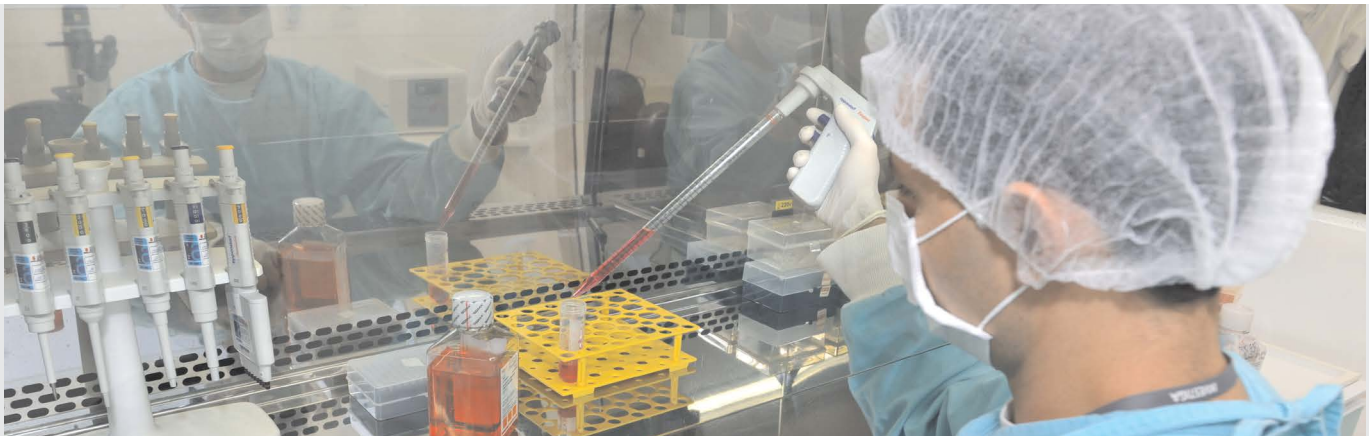
Determination of Actives Content

Molecules identification and quantification by using HPLC chromatography - Vitamins, sunscreens, among others; Spectrophotometric determinations; Titrimetric tests; Potentiometry with ion-selective electrode.

Veterinary Therapeutic Efficacy (dogs/cats/bovine/poultry).

Dosing of residues in Milk/Meat and other products with animal origin.

Analysis of Residues in agricultural products



The Grupo Investiga Cellular and Molecular Biology Areas operate in the safety assessment methodology development, skin bioengineering, products efficacy and metagenomics.

FOOD, COSMETIC, PHARMACEUTICAL AND VETERINARY

INVITROCELL performs in vitro EFFICACY and SAFETY assessment through cellular and molecular studies, which support the development activities in products and raw materials studies. Its services are used in many industries fields and in supporting the development and control of products safety.

INVITROCELL
CELLULAR AND MOLECULAR BIOLOGY

INVITROCELL

In vitro Safety Tests

Cytotoxicity;

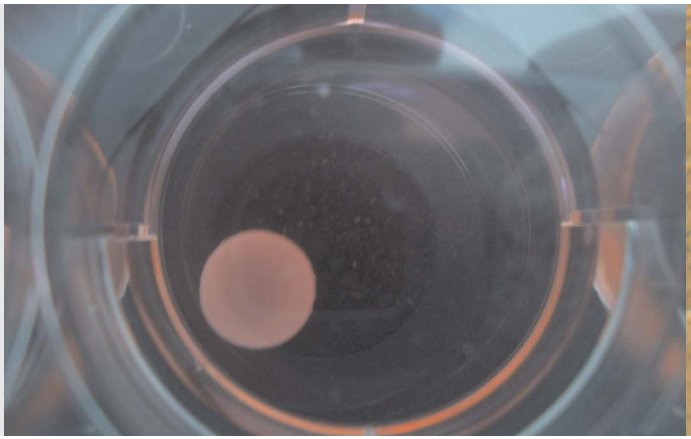
Phototoxicity;

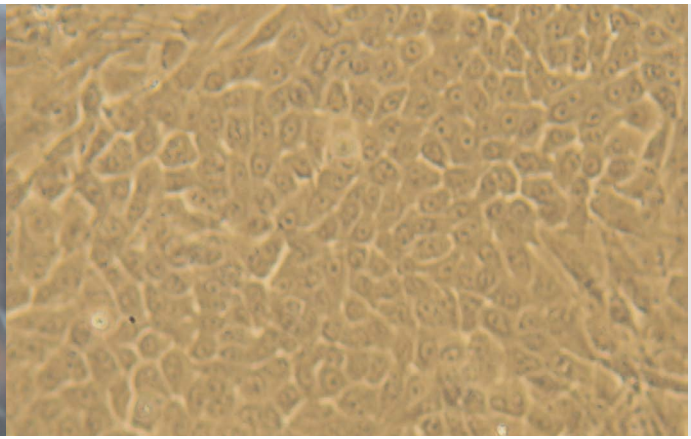
Ocular Irritation: HET-CAM;

Acute oral toxicity;

In Vitro Anti-Aging Efficacy

Induction of protein production of in vitro extracellular matrix: collagen; hyaluronic acid, ceramides; Induction of cell proliferation in cell cultures; Antioxidant activity by biochemical methodology. Determination of the DNA protection against damages caused by ultraviolet radiation.





Skin Equivalent model or 3D tests

Dermal contraction; Fibroblasts protection against UVA;

Keratinocytes protection against UVA and UVB;

Skin permeation; Dermal irritation (screening);

Evaluation of the Skin Barrier by histology;

Evaluation of the Skin Barrier by response to the SDS.

In Vitro Efficacy Tests

Fibroblasts cellular proliferation; Keratinocytes cellular proliferation; Cicatrization; Collagen synthesis; Anti inflammatory activity; Antioxidant activity: DPPH, TBARs, ORAC, NO, lipoperoxidation (or lipid peroxidation), scavenging of hydroxyl radical in cell cultures, broadspectrum; DNA protection factor (FPDNA); Evaluation of gene expression alterations; NO determination produced in cell cultures.

Molecular biology assays for Quality Assurance

Food, soil, and Pharmaceutical production Quality control assay based on Molecular biology

- Microorganism genotyping
- Detection of OGM on food
- Detection of animal protein on feeds.

IN VITRO TESTS

Product and Services based in metagenomics

- Efficacy study of new products on skin and gut microbiome based metagenomic.
- Prebiotic and probiotic development based on gut microbiome metagenomic.

"Our business and world vision is based on the balance of an ecosystem. Our services contribute to the creation of safe and effective products meeting our clients expectations of providing products with real value to the society."

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