



Quick Facts about proDERM Cosmetic

proDERM Cosmetic is Full-Service-Provider for the industries Cosmetics, Dermocosmetics and Food Supplements. Since its foundation in 1994, proDERM Cosmetics investigates within **Efficacy Studies** on now more than 2.000 m² and under appliance of accepted objective scientific methods as to whether the claim of a product can be substantiated.

Moreover - in the scope of **Tolerability Studies** - proDERM provides the answer to the question whether a product causes skin irritation during or after appliance.

For both objectives a broad range of standardized methods is available. Be it a skin physiological efficacy study, a dermatological controlled consumer test or a photobiology study: each method direction is conducted in dedicated laboratories of the proDERM facility.

Skin Care

Efficacy Studies	Tolerability studies	Products
<ul style="list-style-type: none"> • Skin Moisturization • Short Term Kinetics • Deodorant Efficacy • Anti-Wrinkle-Test • Skin Roughness • Skin Care Test • Forearm-Wash-Test • Shaving Irritation • Antitranspirant-Hotroom- and Sauna Test • Wound Healing • Skin Moisturization Use Test • Barrier Recovery • Barrier Protection • Patch Scratch Test • Anti-Cellulite-Test • Efficacy Test pre-Acne • Skin Bleaching, Depigmentation • Adhesive Forces Determination • Skin Elasticity • Skin Blood Flow • Anti-Facial Erythrosis • Anti-Stinging Efficacy • Melasma and Age Spots Efficacy 	<ul style="list-style-type: none"> • Consumer Test • Soap Chamber Test • Simple Epicutaneous Test • Open Epicutaneous Test • Repetitive Epicutaneous Test • ROAT – Repeated Open Application Test • HRIPT – Human Repeat Irritation Patch Test • 21 Cumulative Irritation Patch Test • Forearm-Wash-Test • Shaving Irritation • Stinging-Test • Anti-Itch Test 	<p>Our portfolio of methods is aimed at products that are topically applied or happen to establish skin contact rather accidentally. The mentioned products therefore only represent an extract of the variety of products investigated so far:</p> <ul style="list-style-type: none"> • Moisturizer • Anti-Aging • Anti-Wrinkles • Anti-Cellulite • Antitranspirants • Acne • After-Shave • Tapes and Bandages • Decorative Cosmetics • Textiles • Cleansing Products tbc.

Oral Care

Methods	Products
<ul style="list-style-type: none"> • Oral Malodor • Tooth colour determination • Plaque-evaluation • Plaque Regrowth • Gingivitis-evaluation • Tooth sensitivity 	<ul style="list-style-type: none"> • Toothpaste • Mouth rinse • Tongue cleaner • Tooth care chewing gums • Whitening - products

Sun Care

Standard studies	Customized studies	Products
<ul style="list-style-type: none"> • In vivo Sun Protection Factor-determination according to ISO 24444:2010 • In vivo Sun Protection Factor-determination according to international norm 2006 • In vivo Sun Protection Factor-determination with water resistancy according to international norm 2005 • In vivo UV-A Protection according to ISO 24442:2011 • In vivo UV-A Protection (JCIA-Guideline) • In vivo UV-A Protection (Koreanische Methode) • In vitro UV-A Protection Measurement (DIN 67502) • In vitro UV-A Protection Measurement (Colipa 2007) with pre-radiation • In vitro UV-A Protection (Boots 2008) with pre-radiation • In vivo Phototoxicity • In vivo Photosensibilisation 	<ul style="list-style-type: none"> • UV-Erythema • Assessment of anti-irritative efficacy (Sunburns, Burns) • Efficacy assessment of self tanning products • Efficacy assessment of skin bleaching cosmetics • Sweat resistancy of Sun Protection Products • Efficacy assessment of after-sun-products • Skin bleaching, Depigmentation in UV-models 	<ul style="list-style-type: none"> • Sun Protection Products • Water Resistant Sun Protection Products • Cosmetics with UV-Protection • Self tanning products • Whitening products • After Sun products • Anti-inflammatory

Hair Care

Biophysical methods	In-vivo methods	Products
<ul style="list-style-type: none"> • Wet and Dry Combing Force • Combing Out Force • Flexural Strength • Flexural Strength Hysteresis • Hair gloss panel-Test • Hair volume • Curl Retention • Long Lasting Hold • Assessment of colour protection on coloured hair tresses applying radiation or elution • Friction Force • Suppleness on Hair • Tensile strength on single hair fibers • Breaking force on single hair fibers • High Pressure differential Scanning Calorimetry • Assessment of heat damage • Atomic Force Microscopy 	<ul style="list-style-type: none"> • In vivo Tolerability tests for Hair Care, Hair Cleaning, and Hair Styling products • Consumer Test • Consumer Test to assess the scalp tolerability • Anti-Dandruff • Hair Loss • Hair Growth • Epilation • Shaving studies 	<ul style="list-style-type: none"> • Hair-Shampoo • Hair-Conditioner • Colourisation • Hair-Styling (Gel, Foam, Spray) • Hair-Dryer spray • Anti-Dandruff-Shampoo • Anti-Hair Loss • Hair Growth • Hair Removal Products (Wax, Cremes, Shaver)

Eye Care

Methods	Products
<ul style="list-style-type: none"> • Eye tolerability test No Tears • Eye Instillation Study • Safety test with ophthalmological control • HET-CAM Test • Tear Break-Up Time (BUT) Test • Schirmer Test 	<ul style="list-style-type: none"> • Shampoos • Artificial tear fluid • Facial care products • Sun protection products • Eye shadow • Mascara • Eye creme • Kajal / Eyeliner • Concealer • Make-Up remover • Facial powder

Intimate Hygiene

Within the Intimate Hygiene Sector of proDERM the following products are investigated under dermatological / gynecological control with regard to Efficacy / Tolerability: Intimate-Care lotions, Intimate-Care tissues, Intimate-Care shampoos, inkontinence products, diapers etc.

Experience

In 2011:

- > 500 accomplished studies
- > 13,500 enrolled subjects

In total proDERM has enrolled more than 135,000 subjects into over 6,000 studies. In those studies appr. 29,000 products have been investigated.

Recruitment

Panels

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| <ul style="list-style-type: none"> • Sensitive skin • Malodour • Gingivitis • Sensitive teeth • Hair loss • Dandruff • Sensitive scalp • Rosacea • Psoriasis | <ul style="list-style-type: none"> • Atopic dermatitis • Acne • Herpes • Cellulite • Contact allergies • Sensitive Eyes • Senior panel / Best Ager • Afro-American |
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