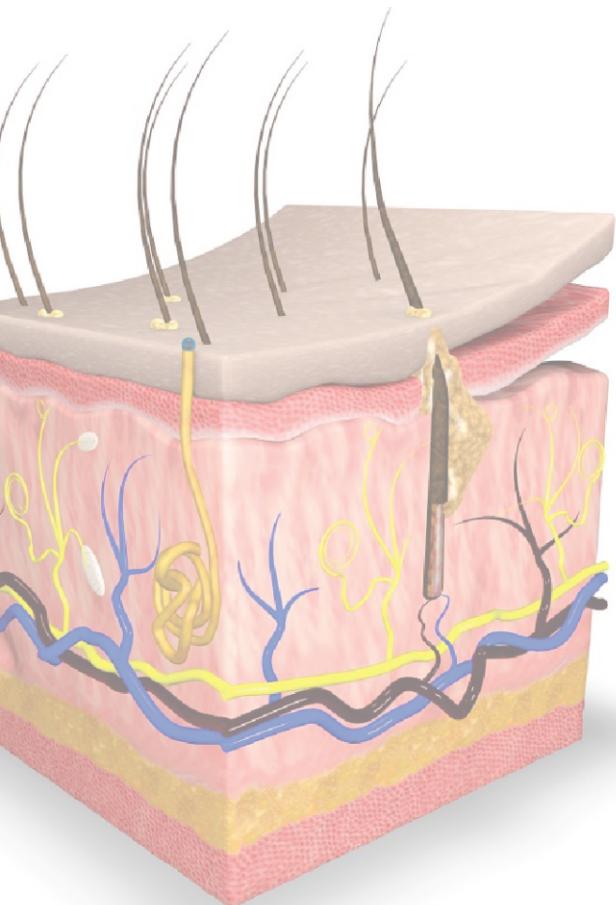


**ICBio Clinical Research**  
Your partner for cosmetics studies





ICBio Clinical Research is an ISO 9001:2008 certified independent testing facility dedicated to dermatology. The organization consists of dedicated professionals committed to excellence in clinical research across the spectrum of dermatology. Our mission is to provide ethical, accurate and unbiased clinical data in "Skin of Color" to strengthen the belief in evidence based medicine. We are India's leading dermatology testing facility fully equipped with the instrumentation of the highest standard.



## SERVICES

We provide comprehensive services to guarantee the successful and seamless management of dermatological clinical trials. We, thus, cater to any organization that requires trials for testing dermatological and personal care products in darker skin types.

Our facility also tests products developed for Western environments and can assess their efficacy and formulation stability in tropical conditions. We provide ethical, unbiased and accurate clinical data in a seamless trial process for both sponsor and volunteer alike. Our services covers trial management for Skin, Hair, Nail and Oral Hygiene.

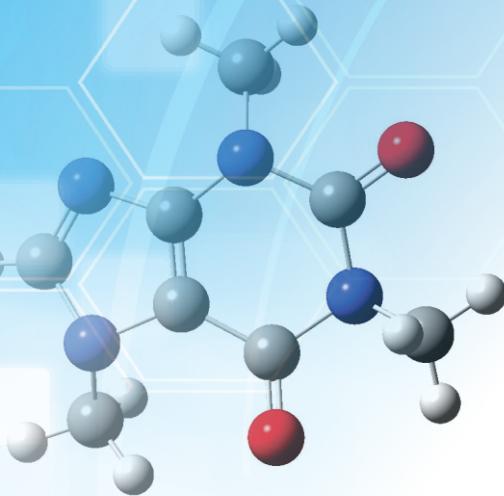
## CLINICAL TRIALS

We offer our services for a wide range of products, from clinical dermatology to oral, hair and skin care products. We do provide clinical trials for personal care industry. Technical measurements are performed using the highest standard of equipment in the industry.

We have separate imaging facilities with image analysis for accurate quantitative measures. Other services that can be availed include outsourcing volunteers (optional service) and a diagnosis coded data base assists in reaching enrolment targets in a timely fashion. Trials have been conducted in areas of acne, psoriasis and atopic dermatitis as well as fairness, brightening and whitening and anti-wrinkle agents.



## PRODUCT TESTING



## PHARMACEUTICAL

Treatment drug or drug formulation for various Dermatology indications or supplement for the improvement of Skin, Hair and Nail.



## COSMECEUTICAL

- Cosmetics
- Personal Care
- Beauty
- Over The Counter
- Skin Care
- Hair Care
- Eye Care
- Oral Care
- Baby Care
- & other products



## AESTHETICS

Safety and Efficacy test for :

- Dermal Fillers
- Botulinum Toxin
- Chemical Peels
- Anti-ageing Products

## NUTRACEUTICALS

Isolated nutrients, Diet supplement for health benefit.

## AYURVEDIC / HERBAL PRODUCTS

## CLINICAL EFFICACY TRIALS



Whatever the wording and claims that are put on the packaging of your product, we can substantiate those claims. And no-matter what your product does, we provide the tests and reports to make these words a fact by proving their legitimacy. Clinical Efficacy Trials are a set of procedures in product research and development that are conducted to test the product's intended purpose in order to substantiate those all-important on-pack claims.

## COSMETIC TESTING



### Moisturisation Testing

- Corneometer, Dermal Phase Meter and Tewameter assessments for humectants and emollients.
- Substantiates claims such as: Moisturising, Combats dehydration, Moisturises for up x hours, Improves Skin's Natural Barrier and more.

### Anti-Wrinkle Assessments

- We offer profilometry assays to measure qualitative and quantitative assessments of rhytide reduction.
- Substantiates: Anti-wrinkle, Wrinkle Defence, Reduces Wrinkles by x% and more.



### Skin Tone / Lightening

- Chromameter technology analyses pre and post-product skin tone.
- Substantiates : Improves Luminosity, Reduces Uneven Pigmentation, Encourages Even Skin Tone, Reduces Hyperpigmentation, Reduces Appearance of Age Spots.

### Skin Elasticity / Skin Firmness

Cutometer or Dermal Torque Meter measures the rate of initial and release extensibility of the skin pre and post-treatments.

- Substantiates claims such as: Firming, Improves Skin Elasticity and more.



# SKIN STUDIES FOR AILMENT REDUCING PRODUCTS

## Anti-Inflammatory Studies

- Analysis of skin post-trauma-induction to assess a product's potential to resolve surface inflammation.
- Substantiates non-medical claims : Reduces the Appearance of Inflammation.

## Test For Antiperspirants & Deodorants

- Using gravimetric methods and expert analysis, we assess a product's potential to reduce perspiration and/or malodour. As it says on the tin, substantiates : Antiperspirancy, Deodorancy.

## Spot-Prone Skin Assessments

- Our expert skin assessor and dermatologists analyse skin via qualitative and quantitative lesion count, macrophotography and visual assessment.
- Substantiates reference to Spot-Prone Skin, Blemished Skin, Oily Skin and more.

## Biopsy & Stratum Corneum Turnover Tests

- Helps us understand what's going on under the skin from the hyperdermis to the stratum corneum.
- Substantiates claims for: Collagen Production, Regenerates the Skin Quicker.

## HAIR CARE STUDIES

### HAIR CARE TESTING

We use a mixture of expert Vidal Sassoon qualified visual assessors and instrumental evaluations to assess any characteristic of the hair.

Anti-dandruff, Strengthening, Conditioning / Detangling, Volumising, Shine/oiliness, Bounce, Smell, Feel, Frizz, Dye-Related: you name it, we can test it.

We also look at depilatory products and instruments.

### TASTE, WEAR & PREFERENCE TESTING

#### Preference Testing Services

Either incorporated into a clinical trial, or as a separate study, find out what the consumer thinks about your product as subjects complete an SPQ (Self-Perception Questionnaire) after testing the product.



## CLINICAL SAFETY TESTING

Ensures that your products are safe for the consumer to use - necessary but standard procedures that we perform every day to give you, your brand and the consumer the confidence to indorse your product. Clinical Safety Trials are a set of procedures in product research and development that are conducted to investigate the potential for adverse reaction of a product in situ on the human site.

We provide efficacy testing in the following areas :



- Cosmetics
- Personal Care
- Beauty
- Over The Counter
- Skin Care
- Hair Care
- Eye Care
- Oral Care
- Baby Care

## STANDARD FOR ALL PRODUCTS

### 96 Hour Patch Test (Industry Standard)

- Substantiates derma-type claims :  
Dermatologically Tested, Clinically Approved, Safe For Skin, Mild For Skin.  
Available in fully-occlusive and semi-occlusive patches

### HRIFT (Human Repeat Insult Patch Test)

- Substantiates derma-type claims : Dermatologically Tested, Clinically Approved, Safe For Skin, Mild For Skin PLUS Hypoallergenic.
- Fully-Occlusive patches - "Finn Chambers"

### Open Application Testing

- Substantiates derma-type claims :  
Dermatologically Tested, Clinically Approved, Safe For Skin, Mild for Skin
- Suitable for products with high alcohol content or high flash points.

### Home-Use Studies

- Suitable for any product needing a half-clinical / half-home-use safety assessment.  
Enables the monitoring of any incidents of adverse reaction as well as consumer perception and preference.

## PROTECT AGAINST THE SUN

### SPF Tests (UVB)

Tests for all around the world. COLIPA, ISO:24444, FDA and more. We also conduct water, sand and sweat-resistance tests.

### UVA Tests

Substantiates UVA protection through the COLIPA method.

## MORE SPECIFIC SAFETY TESTS



### Human Eye Tests :

Direct and Non-Instillation

Tests for any products that could come into contact with the eye cavity.

### Substantiates claims :

No Tears, Ophthalmologically Tested, Ophthalmologist Approved, Kind to Eyes.



### Comedogenicity Tests

Tests for the production of comedones (blackheads)

Can substantiate the claims: Non-Comedogenic,

"Prevents the appearance of blackheads", "Unclogs pores"

### Phototoxicity & Photosensitisation Tests

Tests the potential for a product to elicit a reaction under UV exposure.

Substantiates the claims: Non-phototoxic, Non-photosensitive.



### Oral Soft Tissue Assessments

A small section for mouth washes, toothpaste and other oral products.

## Skin Tone / Skin Lightening Assessment

This efficacy assessment measures qualitative and quantitative changes in skin pigmentation allowing you to claim differences in skin tone on-pack.



### Briefly, what you can expect :

### Claims Substantiated :

Improves luminosity, Reduces uneven pigmentation, Encourages even skin tone, Improves skin tone, Reduces hyperpigmentation, Reduces the appearance of age spots.

## Chromameter Technology and Macro Photo Assessment

This measures chromaticity, tristimulus values, colour difference and correlated colour temperature.



## Moisturisation Tests



These efficacy tests prove that your formulation provides moisturisation and other benefits to the skin and allows you to claim as such on-pack.

- Corneometer / Dermal Phase Meter (Humectant Products)
- Tewameter (TEWL – Emollient Products)

### Claims Substantiated :

- Moisturising, Combats dehydration, Moisturises for up to 'X' hours, Soothes and softens skin, Improves skin's natural barrier and more.

### Briefly, what you can expect :

## Corneometer / Dermal Phase Meter Assessment :

- Dermal Phase Meter used for US studies or if requested.
- Both instruments are capacitive instruments pressed against the skin which measure the hydration of the stratum corneum. They do this by evaluating the Dielectric Constant of the skin as a ratio to water (constant of 1) as differences in hydration will manifest within this measurement. The value produced is an arbitrary Corneometer / Dermal Phase Meter value.

## Tewameter (TEWL) Assessments :

- Measure the Trans-Epidermal Water Loss – the amount of water lost across the epidermis – which makes it possible to measure the invisible, yet steady evaporation of water through the epidermis.

## HAIR CARE STUDIES

These efficacy studies look at the various characteristics of hair growth and hair renewal and the benefits that products give to hair.

### Briefly, what you can expect



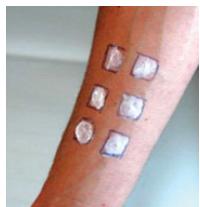
- For one of our most standard tests, this is one of the most individual assessments that we provide as every hair care differs in subject number, assessment type and study length.
- We use a mixture of expert Vidal Sassoon qualified visual assessors and instrumental evaluations to assess anything characteristic of the hair.
- A few hair characteristics that we can test: Anti-dandruff, Strengthening, Conditioning/Detangling, Volumising, Shine / Oiliness, Bounce, Smell, Feel, Frizz, Colour Retention: you name it, we can test it.
- All staff are fully trained in dandruff grading, psoriasis and seb derm grading. At the salon, we can offer our clients the latest in clinical assessments for their hair care products. We specialise in half-head and whole-head dandruff studies, user tests and home use studies. We can also perform clinical trials with your styling products, colour products or shampoo and conditioning products.
- Our volunteer panel includes many ethnic races and we can recruit subjects of both sexes who are happy to participate in all the studies we perform. We also have a trained panel of 50 male and 50 female subjects who we use on a monthly basis who are trained to assess products for their odour, texture, efficacy and acceptability.
- We also perform numerous depilatory studies for hair removal creams, epilators and waxing.



## 96 HOUR PATCH TESTS

This safety test proves that your formulation is safe for use in an *in vivo* situation.

This is specifically for a product that would definitely cause irritation if full or semi-occluded.

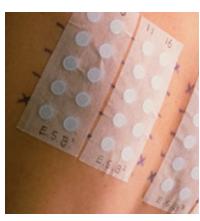


**Claims Substantiated :** Dermatologically Tested, Clinically Approved, Safe for Skin.

### Briefly, what you can expect

#### 1, 2, 3 or 4 Open Application Tests

- This test is performed on products with a high flash point and/or with a high alcohol content where full or semi-occlusion under patches would cause severe skin irritation. With Open Application Testing, the alcohol is allowed to flash off leaving the active on the site.



*Please feel free to reach out to us  
We look forward to assisting you*



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