

**S**ince 2001, as a leading company of the industry, the professional service perfection and R&D activity of Dermapro are very well known domestically and internationally. Our business area covers safety and efficacy testing in cosmetics, cosmeceuticals, food supplements, toiletries on human skin. All kinds of human skin tests in Dermapro, are planned, processed and reported based on GCP, IRB Committee, and, ISO to ensure the ethical issues of human testing. High level of expertise in skin physiology, a group of dermatologists, an advisory board, highly trained investigators and cutting edge equipment enable to realize internal protocol SOPs, up to tailored study designs to satisfy study sponsor's needs.



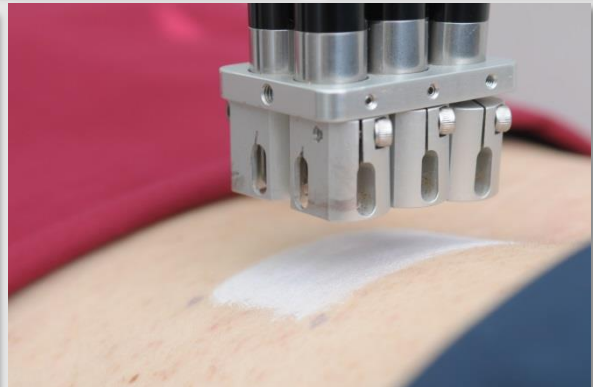
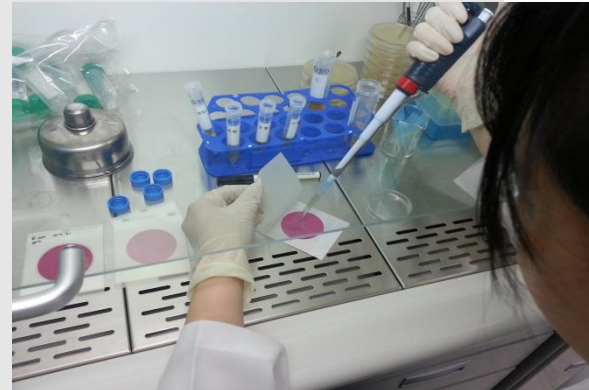
**DERMAPRO**

[www.dermapro.co.kr](http://www.dermapro.co.kr)



## New Future of Skin Science

- 2017 Skin Characteristics Data (2014's~)
- 2014 Proderm, MOU (Germany)
- 2012 Manufacturer & seller registration (MFDS)  
IRB Certification (KCDC registered)  
Landproof, MOU (China)  
Stephens & Associates (USA)  
Claims, MOU (India)
- 2011 Shanghai Skin Disease Hospital, MOU
- 2008 Peritesco, MOU (France)
- 2007~ Bio Research Center  
IRB Certification (DHHS Registered)
- 2006~ Venture Business Enterprise
- 2005~ Skin Research Center
- 2004~ ISO 9001:2008 (KQS5885)
- 2001~ Company establishment



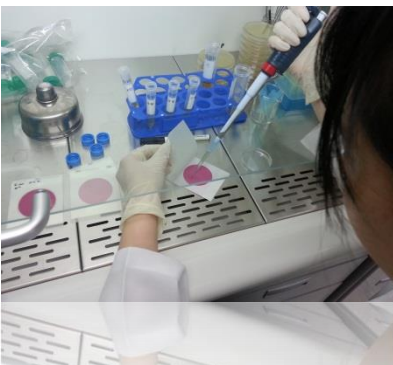
## Safety Evaluation



## Efficacy Evaluation



## In vitro Evaluation



## Sensory Evaluation



Primary irritation test  
Repeated insult patch test  
Sting potential test  
Phototoxicity  
Photosensitization test  
Cumulative irritation test  
Eye tolerance test  
Eye rim usage test

Adverse reaction test  
Usage test  
Antimicrobial effect test  
HET-CAM

### Cosmeceuticals

Anti-wrinkle  
Skin lightening  
Protection UVA/B  
Water proof SPF  
Hair growth  
Acne  
Non-Comedogenicity  
Tooth whitening & malodor

### Skin care

Anti-wrinkle  
Sweat resistance SPF  
Water proof SPF  
SPF & PFA  
Firming & sagging  
Roughness  
Hydration short-term effect  
Hydration long-term effect  
Scale reduction  
Pore improvement  
Radiance  
Sensitive  
Hot flushing  
Dark circle  
Damaged skin recovery  
Atopy dermatitis  
PM Anti-adhesion

### Food supplements

Anti-wrinkle  
Skin lightening  
Skin hydration  
Skin physiology

### Hair & scalp

Hair physiology  
Scalp physiology  
Hair loss prevention

### Damaged hair

Dandruff & itching  
Eyelash growth

### Hair dyeing

### Make-up

Base make-up  
Lip make-up  
Mascara curling, long lash & volume  
Cleansing

### Body care

Cellulite reduction  
Stretch mark  
Skin puffiness  
Deodorant  
Body edema  
Body physiology  
Breast firming & enlargement

### Others

Esthetic device  
Textiles  
Daily supplies

Anti-wrinkle  
Lightening  
Anti-oxidation  
Anti-inflammation  
Skin absorption  
Phototoxicity  
PFA(UVA)  
Cytotoxicity  
Extraction for herbs & plants

Preference test  
Difference test  
Sensory descriptive test

# 140 research papers & patents

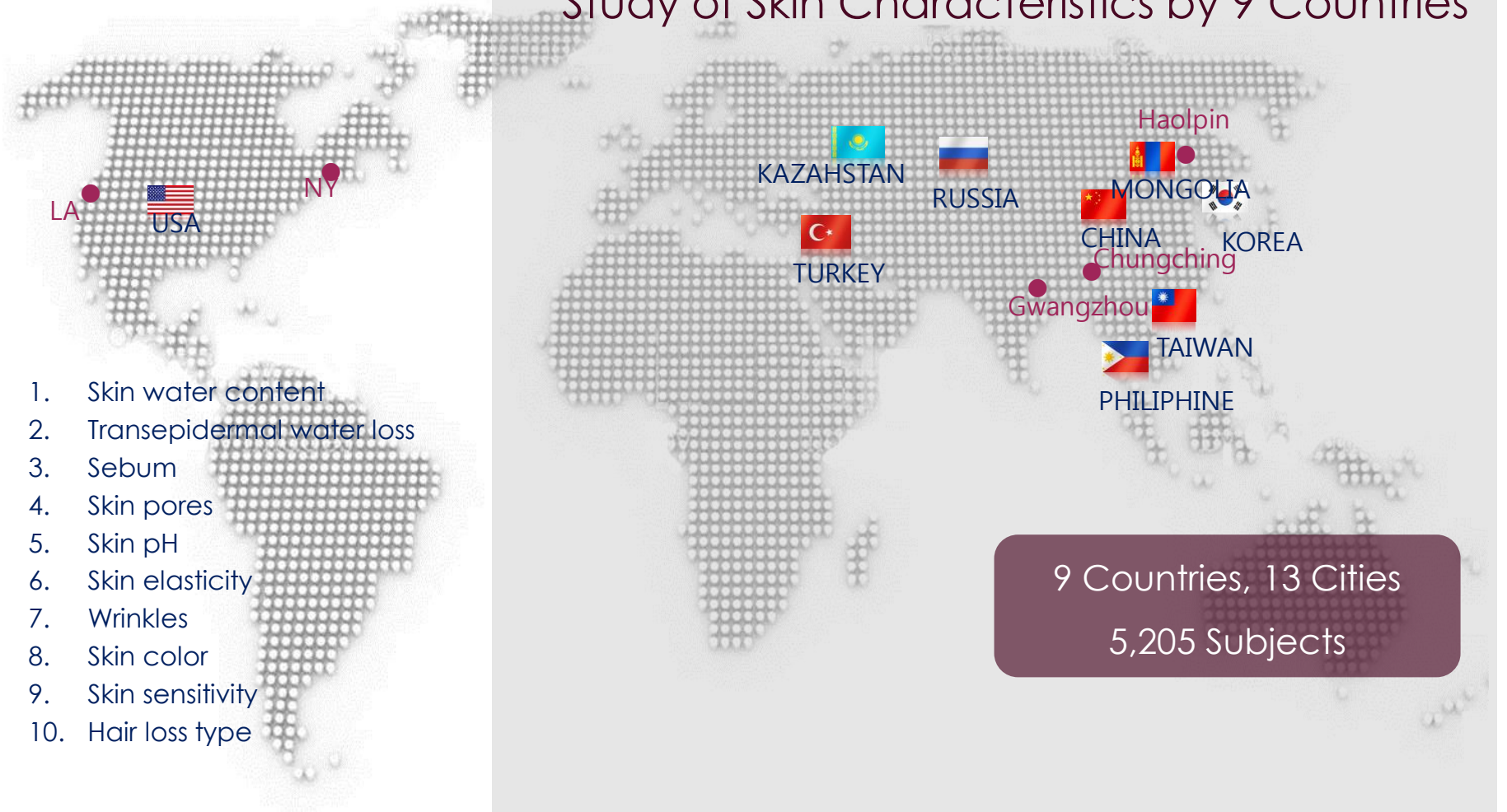
2001

present

**Anti-inflammation**  
**Hydration** Sebum  
**Non-comedogenicity**  
**Anti-Aging** **RIPT**  
Hydration Transparency  
Clinical Statistics Glossiness  
Patent Anti-oxidant Density  
Patch **Elasticity**  
Wrinkles Skin Scales  
Safety Index & zone  
**Lightening**

## National Project

### Study of Skin Characteristics by 9 Countries



1. Skin water content
2. Transepidermal water loss
3. Sebum
4. Skin pores
5. Skin pH
6. Skin elasticity
7. Wrinkles
8. Skin color
9. Skin sensitivity
10. Hair loss type

9 Countries, 13 Cities  
5,205 Subjects

# Capability and Facility

**18** labs  
**4** photo studios  
**3** independent rooms

Anti-aging evaluation  
SPF evaluation  
Hair evaluation  
In vitro assay  
Safety evaluation  
Test product, archiving, server room

2,000 Subjects/ week

