

## Skin Lightening - Instrumental Grading - per person

**Objective :** To evaluate the effect of skin lightening preparations based on instrumental assessment. Supports claims to the effect of ... “evens skin appearance”, “removes age spots”, “more homogeneous colour distribution” .

### Experimental Design

**Subjects:** Panels of human subjects, 30 to 55, exhibiting conditions of Hyperpigmented Spots – darker spots than the surrounding skin color.

- Caucasians, Asians and other light skin panelists
- Informed of the nature of the test including possible adverse reactions.
- Written informed consent documents signed by all participants prior to induction.
- Only subjects that are considered dependable and able to read, understand and follow directions will be requested to participate.
- Prior to initiation of a test, each subject will complete a medical history form. The subjects will not exhibit any physical or dermatological condition which would preclude application of the test material(s).

### Test Material Information:

A sufficient quantity of each test material should be submitted by the sponsor. Typically, 2 gms per application would be used.

**Biophysical Measurements:** Pantone Color Chart and Minolta Color Computer

### Method

1. 2 Applications per day. Sponsor supplied SPF product to be used after product application during the day.
2. Test subject instructed on application of product at intervals and according to any other instructions provided by client.
3. Visual and instrumental evaluation by trained technician, using Minolta Colour computer.
4. Typically, evaluation performed at on the first day, in the middle and at the end of the study, over a period of 2 to 3 months.
5. May be further supported by colour macro or micro photography.

### References

Dermatest DESOP - 036 & 037

Minolta Chromameter Manual

Handbook of Non-invasive Methods and the Skin Serup et al 1995 Chapter 16.3