



## STEPS



**1. MALE PATTERN BALDNESS**



**2. VISIOSCAN PHOTOGRAPHY**

Eurofins Dermatest Pty Ltd  
 20 - 22 King St  
 Rockdale NSW Australia  
 ph 61 2 9556 2601  
[info@dermatest.com.au](mailto:info@dermatest.com.au)  
[www.dermatest.com.au](http://www.dermatest.com.au)

## Hair Regrowth Test

A test to objectively assess the performance of a treatment program intended for application to the scalp.

The biophysical effects of the topically applied product are evaluated. The effects are evaluated immediately prior to application and at 4, 8 and 12 week time points versus the baseline t=0 (untreated) scalp and hair on the same test panelists. Microphotographs are taken at all time points. 10 subjects complete the study.

### Test Panel Selection

10 Males between the ages of 18 to 75. Caucasian or Asian (first or second generation) and exhibiting alopecia – male pattern baldness, but without complete baldness in the test target area. Individuals who have completed a preliminary medical history mandated by Dermatest.

### Preparation

In order to pre condition the test sites and keep all topical treatments constant for all test subjects, panelists are required to abstain from using all hair care products, other than normal unmedicated shampoo, on the test area for a period of one week prior to study commencement and during the course of the study. At the completion of the one week ‘washout’ period, panelists are required to return to the test facility at the time specified by the technician for the study commencement. Subjects are instructed to arrive with pre-washed hair with no hair care products or make up applied after cleansing. The target treatment area is the area of the head exhibiting baldness.

On the day of the study, biophysical measurements are taken at t = 0 (pre application). Test materials are then delivered to the test sites from the sample packs as provided, with instructions to apply generously to the scalp morning and night and to rub the product into the scalp.

### Test Methodology

Microphotography and Hair Strand Counts. A Visioscan VC 98 Camera is utilized. This is a very high resolution video camera which is operated in the UV Light region. The photographed area is 13mm x 15 mm. This allows for visualization of newly emerged unpigmented hair strands. Photo shots are accumulated of the target area as mapped above. Counts of large and small strands visible in the images are conducted at the completion of the study.

### Expert Assessment

An overall general assessment is made of the appearance and condition of the target area of the scalp and the appearance of the hair, comparative to the zero time point. At each visit, photographic record is kept of this target for subsequent relocation. The area scanned in from each sample is clearly mapped, allowing determinations of the same area at 4, 8 and 12 weeks.