



Spectral F7 Efficacy Boosting Agent Study



DS Laboratories Inc.

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Summary:

The results that were obtained from the study confirm that Spectral F7 Efficacy Boosting Agent was effective in improving the appearance of fuller heads of hair by increasing the appearance of thicker hair growth.

Study Objective:

To determine if Spectral F7 Efficacy Boosting Agent has an effect on make the hair on the head appear full.

Study Duration:

90 Days \pm 2 days

Inclusion Criteria

1. Both sexes (with at least 51% of them male)
2. Between the ages of 18 and 60
3. Complains of hair loss and visible signs of hair thinning.

Exclusion Criteria

1. Pregnancy.
2. Breastfeeding.
3. Use of anti-inflammatory/immunosuppressant drugs.
4. Active cutaneous illnesses/injuries (localized or disseminated) that might interfere in the study's outcome.
5. History of adverse reactions to products in the same category as the one being tested;
6. Medicated or cosmetic treatments for hair loss

Directions for use:

Connect the display lid on the bottle. Spray the scalp where hair thinning is most intense, 10 times (10 sprays), taking care to spray the scalp as directly as possible (avoiding product loss by spraying the strands). After product application, massage the entire area. This process is to be done two times a day once in the morning and once again before going to bed at night. Note these instructions are the same that appear on the product label.

**Testing Procedure:**

1. Subjects were recruited to participate in this study based on the inclusion and exclusion criteria as stated above.
2. The subject's heads were photographed to establish a baseline control so the overall effects of the treatment can be documented. In addition an expert evaluator was there to rate the overall appearance on a scale of one to 5 where 1 is equivalent to excessively thin major balding of the hair and 5 is equivalent to no thinning or nearly a full head of hair.
3. Subjects were instructed to apply the product according to the label directions for a period of 90 days (see directions for use above).
4. Subjects were also told that if they need any additional product during the application period they were instructed to notify the study coordinator to obtain additional supply.
5. At the 90 day interval the subjects were then instructed to return to the testing site so final evaluations and photographs can be done.

Note all photographs were taken for this study were done using a Nikon D90 digital camera with an 18-105 mm zoom lens. The photographs were taken utilized natural sun light from windows with the blinds opened so that the subject's hair looks as natural as possible. In addition over head room florescent lights were used as fill lighting so shadowing on the subjects heads was kept at a minimum.

Photographs of the test subjects are attached after the last page of this study.

Study Results:**Expert Evaluator Results:**

Subject #	Evaluator #1 Initial	Evaluator #1 after 90 days
1	2	3
2	2	3
3	1	3
4	1	3
5	2	3
6	4	5
7	4	5
8	4	5
9	5	5
10	1	3
11	2	4
12	4	5
13	4	5



The data above indicates that all but one subject showed an improving in the appearance of fuller heads of hair by increasing the appearance of thicker hair growth. Subject # 9 had minimal signs of thinning hair as shown in the photograph and as a result no improvement could be determined. All other subject showed visible signs of improvement in the fullness of the hair on their heads. Subjects 3, 4, and 10 showed the most improvident in the fullness of their hair.

Conclusion:

Based on the data obtained from the measurements above and the photographs attached it was determined Spectral F7 Efficacy Boosting Agent had an effect on improving the appearance of fuller heads of hair by increasing the appearance of thicker hair growth.

Spectral.F7 study results. Volunteers used test solution twice per day.

1st day

90 days







