

OLAPLEX®

GET THE FACTS: WHY HRIPT TESTS REMAIN THE INDUSTRY STANDARD

What are HRIPT Tests?

The human repeat insult patch test (HRIPT) is the industry standard human clinical test used for topical personal care and pharmaceutical products to test for any potential irritation or sensitization issues. This testing can be performed on individuals with normal and sensitive skin.

The HRIPT Testing Process

The HRIPT testing process follows a strict protocol to ensure the product(s) tested do not cause skin irritation or sensitivity.

HRIPT testing is a skin patch test that is typically performed on a panel of 50-150 volunteers. Before any application, the skin is cleaned and dried. Then, a small amount of the tested product is applied to patches, which are applied to the back of volunteers. This patch application process is conducted over a six-week period, during which time expert clinical graders monitor volunteers for any signs of reaction or irritation.

The breakdown of this process includes three weeks of patching on the skin nine times, followed by two weeks of resting period, which is when the allergic response capability is developed (if any). The sixth week is the challenge phase where the product is patched again on a new site and monitored by trained laboratory personnel. If the product elicits the body to develop an allergic response capability, then an allergic reaction would appear during the challenge phase.

When a product successfully passes an HRIPT test, it means that the volunteers did not experience irritation, inflammation, or sensitivity. Without these symptoms, there is no induced inflammation to the hair follicle, which is the primary cause of hair loss.

How HRIPT Tests Prove Product Safety

- **Detecting potential skin sensitizers:** By rigorously testing the same section of skin multiple times, HRIPT tests help determine whether the product may cause an allergic reaction, such as redness, itching, or swelling.
- **Evaluating the severity of skin sensitization:** HRIPT tests can help to evaluate the severity of skin sensitization triggered by a product. This evidence can be used to create guidelines on safe exposure limits for the product, or to reformulate it.
- **Providing proof of safety:** By conducting HRIPT tests and proving that a product does not cause skin irritation or sensitivity for the volunteers tested on, companies have evidence that their product is safe for use.

What OLAPLEX® Results Show

Every one of OLAPLEX®'s products passed these HRIPT tests, meaning the test results show no dermal irritation or sensitization.

Specifically, OLAPLEX® N°2 and N°3 were tested on 80 human test subjects and showed zero irritation. OLAPLEX® N°1, 4, 5, 6, 7, 8 and 9 were tested on over 100 human test subjects and showed zero irritation.

In addition, HRIPT tests were performed on individuals with sensitive skin for OLAPLEX® N°0, 3, 4 and 5. These tests were conducted on 51 people and showed no indication of a potential dermal irritation or sensitization. To review the test results for the full reports, [please visit our website](#).