Test Report

Allergenic strength was reduced by 92.4% within 48 hours using Streamer irradiation.

Organization: Yamagata University under the supervision of Professor Shirasawa, Tohoku Bunka Gakuen University
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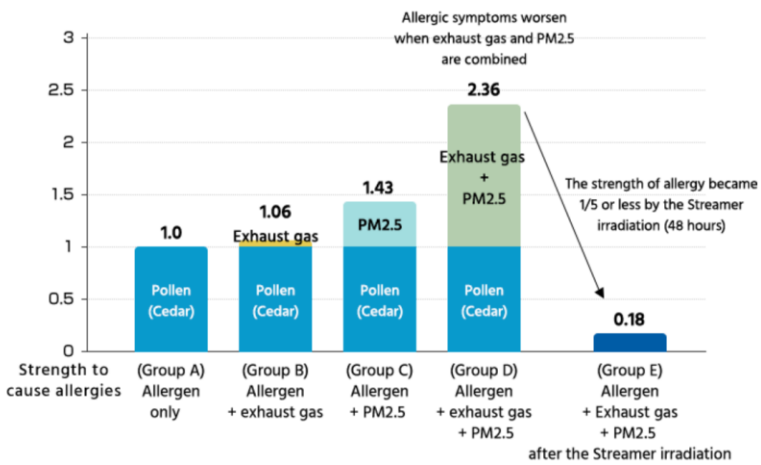
Subjects: Cedar pollen + exhaust gas(diesel exhaust particles) + PM2.5
Result: Allergenic strength was reduced by 92.4% in 48 hours
Method: IgE antibody test

Test Conditions

Group A	Allergen
Group B	Allergen + Exhaust gas
Group C	Allergen + PM2.5
Group D	Allergen + Exhaust gas + PM2.5
Group E	Allergen + Exhaust gas + PM2.5 with Streamer irradiation

Test Results



A comparative experiment was performed on 3 groups of mice. Group A ~ Group E was administered to the mice respectively every 2 weeks. 8 weeks later, IgE antibody concentration in the blood of the mice was measured.

The allergenic strength of Group E, which was exposed to the Streamer for 48 hours, was reduced by 92.4% compared to Group D.

*This is the demonstration result using a streamer discharge device for testing. The effect of products equipped with Streamer technology or the effect in actual use environment may differ.

Hay Fever Development

When pollen is carried from mountains, air pollutants such as exhaust gas and PM2.5 adhere to it, and it becomes an allergen stronger pollen than typical pollen. Therefore, pollen alone is not the only concern, but also the results of its combination with exhaust gas and PM2.5, which assumes a more realistic environment.

Adjuvant substances that worsen allergic symptoms may adhere to pollen, which may upset the balance that was previously maintained and increase the risk of developing hay fever.

The Image of the hay fever development