CLAIMS:

1. A biological allergen measurement method, comprising:

bringing a test substance into contact with a water-soluble gel or aqueous solution containing a substrate of a protease of an environmental biological allergen, and then quantifying or semi-quantifying a physical property change of the water-soluble gel or the aqueous solution caused by an effect of a protease contained in the test substance on the substrate to thereby measure an amount of the environmental biological allergen.

2. The biological allergen measurement method according to Claim 1, wherein the physical property change is liquefaction of the water-soluble gel, and the amount of the environmental biological allergen is measured by quantifying or semi-quantifying a weight or a volume of a portion generated by the liquefaction.

3. The biological allergen measurement method according to Claim 2, wherein the water-soluble gel contains protein which forms a gel at room temperature.

4. The biological allergen measurement method according to Claim 1, wherein the physical property change is a change in a pH of the water-soluble gel or the aqueous solution, and the amount of the environmental biological allergen is measured by quantifying or semi-quantifying the pH change.

5. The biological allergen measurement method according to Claim 4, wherein the water-soluble gel or the aqueous solution contains protein whose pH changes due to an effect of the protease of the allergen.

6. The biological allergen measurement method according to Claim 4 or 5, wherein the water-soluble gel or the aqueous solution contains a pH indicator.

7. The biological allergen measurement method according to any one of Claims 1 to 6, wherein the substrate contains natural product-derived protein and/or protein hydrolyzate.

8. The biological allergen measurement method according to any one of Claims 1 to 7, wherein the test substance is collected from a floor, a wall, a window, a window frame, matting, bedding, furniture, dust particles, and house dust.

9. A simple biological allergen measurement kit for use in the biological allergen measurement method according to any one of Claims 1 to 8,

the simple biological allergen measurement kit comprising the water-soluble gel or the aqueous solution.

CLAIMS:

1. A biological allergen measurement method, comprising:

bringing a test substance into contact with a water-soluble gel or aqueous solution containing a substrate of a protease of an environmental biological allergen, and then quantifying or semi-quantifying a physical property change of the water-soluble gel or the aqueous solution caused by an effect of a protease contained in the test substance on the substrate to thereby measure an amount of the environmental biological allergen wherein the physical property change is a change in a pH of the water-soluble gel or the aqueous solution, and the amount of the environmental biological allergen is measured by quantifying or semi-quantifying the pH change and wherein the water-soluble gel or the aqueous solution contains protein whose pH changes due to an effect of the protease of the allergen.

2. The biological allergen measurement method according to Claim 1, wherein the physical property change is liquefaction of the water-soluble gel, and the amount of the environmental biological allergen is measured by quantifying or semi-quantifying a weight or a volume of a portion generated by the liquefaction.

3. The biological allergen measurement method according to Claim 2, wherein the water-soluble gel contains protein which forms a gel at room temperature.

4. The biological allergen measurement method according to Claim 1, wherein the water-soluble gel or the aqueous solution contains a pH indicator.

5. The biological allergen measurement method according to any one of Claims 1 to 4, wherein the substrate contains natural product-derived protein and/or protein hydrolyzate.

6. The biological allergen measurement method according to any one of Claims 1 to 5, wherein the test substance is collected from a floor, a wall, a window, a window frame, matting, bedding, furniture, dust particles, and house dust.

8. A simple biological allergen measurement kit for use in the biological allergen measurement method according to any one of Claims 1 to 6, the kit comprising the water- soluble gel or the aqueous solution.