Hitachi Chemical Diagnostics’ CLA® Allergy Test is a cost effective, compact and flexible system that measures a patient's response to several allergens simultaneously with one serum sample.

The CLA technology is semi-quantitative and requires only one serum sample, making it less invasive to the patient. By delivering rapid diagnosis, the safe and reliable CLA system enables allergy sufferers to begin therapy more quickly.

At the heart of this innovative technology are the patented Pette and CLA-1™ Luminometer.

The CLA PETTE

The CLA Allergen-Specific IgE Assay employs a small plastic device known as a Pette to expose patient serum simultaneously to up to 36 different allergens or allergen mixes.

Extensive variety of allergens to serve every patient's needs
The CLA test serves allergy patients worldwide -- so every Pette is geographically specific. Physicians select the Pette panel appropriate for their patient.

- *Inhalant panel* — pollen, dust, mites and other airborne allergens in the patient's region
- *Food panel* — commonly ingested foods, such as milk, tomato, soybean or wheat
- *Combination panel* — up to 36 of the most prevalent food and inhalant allergens overall

Inside every Pette are discrete segments of cellulose thread, each containing a specific allergen or allergen mix. Every Pette also includes internal controls to ensure the test has been performed correctly.

To run the test, patient serum is drawn into the Pette. After incubation and washing, reagents are added to produce a chemiluminescent signal which is directly proportional to the amount of allergen-specific IgE in the patient serum.

Diagnose patients faster and more precisely. Save time and reduce cost.
CLA® Allergy Test

CLA-1™ Luminometer

Fast, accurate analysis
Counterpart to the Pette, the CLA-1 Luminometer completes the allergy testing process. This state-of-the-art patented device reads processed Pette panels, measuring the intensity of the signal emitted by IgE antibodies bound to the allergen thread. In eight minutes, it can analyze up to 180 allergens!

The compact CLA-1 Luminometer automatically prints a complete report that lists the tested allergens and the severity of the patient’s response. Easy to use and understand, the system is simple, quick, and convenient.

Self-testing for reliability
To ensure correct test results, the instrument performs a self-diagnostic check each time it is powered up, and clearly displays system status on its digital screen. The CLA-1 Luminometer is FDA-cleared and CE-marked, and has shown consistent performance and accuracy in laboratories around the world.

Sensitive for accuracy
The system uses chemiluminescence, one of the most sensitive detection systems available. This allows for the detection of very low levels of IgE in the patient serum.

Data Management Software (DMS)

NOT AVAILABLE IN THE UNITED STATES

Comprehensive patient data at your fingertips
Physicians and laboratories can also choose to integrate database functionality into the testing process, using the CLA-1 Data Management Software. This multi-language Windows application features a clear interface that allows users to enter patient information, order tests, and receive operating instructions for the CLA-1 device. The powerful software also records patient data and test results, giving physicians easy access to complete patient histories, and eliminating repetitive data entry.