hanson MEDICAL

A revolution in Eye Health with Tear Biomarkers

In partnership with Seinda, we introduce a new generation of ophthalmic diagnostics:

- Fast and non-invasive
- Clinically validated and CE marked
- Designed for accurate detection and differentiation
- Enables more precise, personalised care for ocular surface disease

hansonmedical.co.uk

Call: +44 (0)1527 501077
Email: sales@hansoninstruments.co.uk

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i-ImmunDx™ Analyser

Highly sensitive, portable reader for rapid, automated biomarker testing

Key Features

- **Compact & Portable** – Lightweight design ideal for outpatient clinics, hospital labs, and point-of-care environments.
- **Fast & Easy to Use** – Intuitive touchscreen interface enables quick testing and effortless navigation of stored results.
- **Flexible Test Modes** – Supports both standard and rapid test workflows for improved clinical efficiency
- **Automated Results** – Capable of delivering qualitative, semi-quantitative, and quantitative results for in vitro immunoassays.
- **Onboard Data Storage** – High-capacity internal memory stores test data automatically and enables easy export for records or analysis.
- **Built-In Thermal Printer** – Instantly prints results on demand for clinical documentation and patient records.

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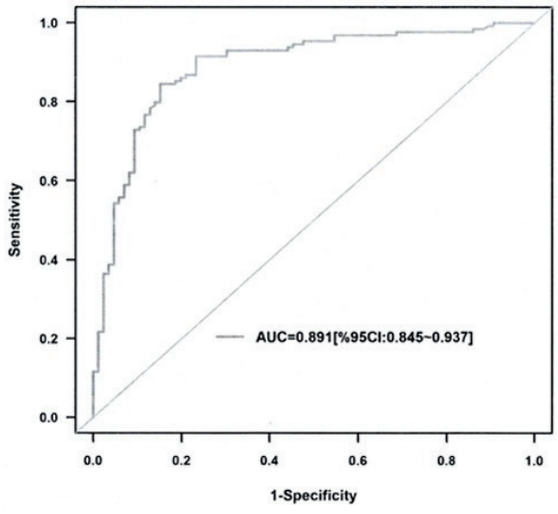
MMP-9 POC Test Kit

The MMP-9 Point-of-Care (POC) Test Kit offers a rapid, precise, and non-invasive method to support the diagnosis and personalised treatment of Dry Eye Disease (DED).

Built on Seinda's patented technology, this test quantifies tear MMP-9 levels - an established biomarker of inflammation - within 15 minutes.

Why Test for MMP-9?

- MMP-9 is a pro-inflammatory enzyme elevated in many ocular surface diseases, including DED and inflammatory eye conditions.
- Helps differentiate between inflammatory and non-inflammatory subtypes of DED.
- Enables targeted treatment decisions and tracks patient response to therapy.



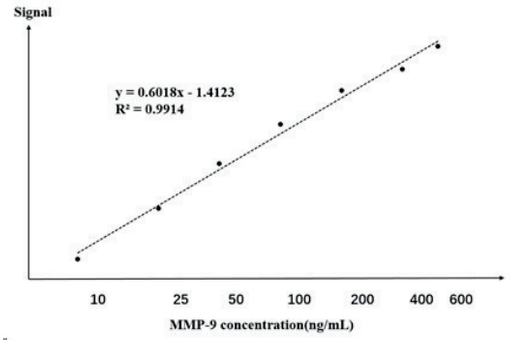
Clinical Applications

- Supports early detection of ocular surface inflammation
- Provides objective, quantifiable results
- Enhances precision diagnosis and personalised treatment

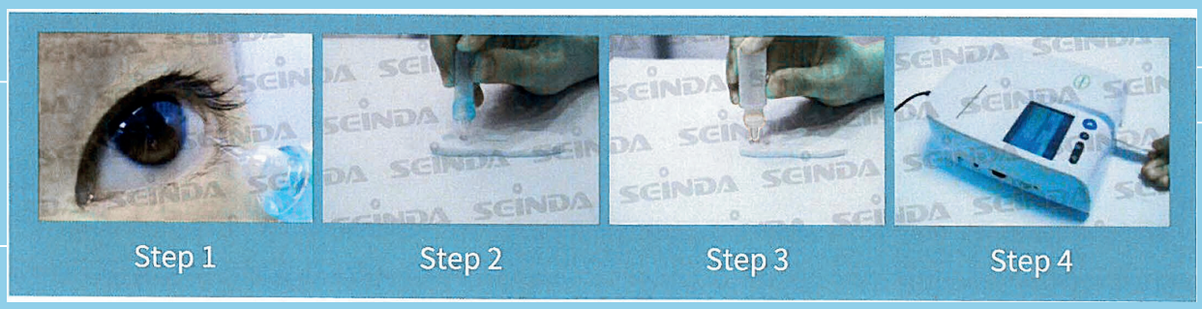
Diagnostic Accuracy

AUC = 0.891

Clinical validation shows high sensitivity and specificity for inflammatory dry eye, supporting its utility in point-of-care settings.



Easy 4-Step Process



Sample Collection **Sample Loading** **Add Buffer** **Results in 15 Minutes**

IgE POC Test Kit

The IgE Tear Test Ki a breakthrough in point-of-care diagnostics for ocular allergy: Designed to support the diagnosis of allergic conjunctivitis and distinguish it from dry eye and other ocular conditions, the test provides objective, quantifiable data within 10 minutes using a simple 4-step method.

Why Choose Tear IgE?

• Tear IgE more accurately reflects ocular allergic inflammation than blood IgE levels.
• Minimal sample volume required.
• No specialist tools or processing needed.
• Rapid results (10 minutes) support real-time clinical decisions.

Application in Allergic Conjunctivitis

Allergic conjunctivitis affects up to 40% of the population, often overlapping with other onditions. The Tear IgE Test Kit aids in diagnosis, disease monitoring, and tailoring treatment decisions.

Dry Eye or Allergic Conjunctivitis?

Studies show that up to 83% of allergic conjunctivitis cases also present with dry eye symptoms.
The test helps clarify diagnosis and avoid inappropriate or delayed treatment.

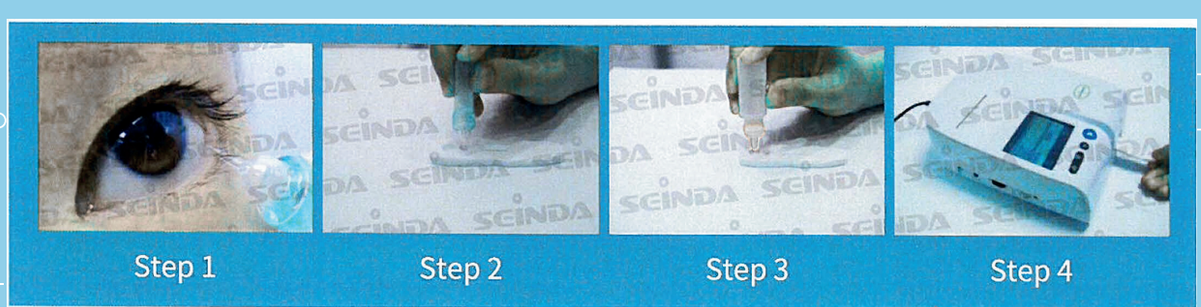
Precise Treatment

Tear IgE levels correlate with disease severity and response to treatment. This enables more personalised care plans and monitoring of therapeutic outcomes.

Clinical Validation

ROC curve analysis (AUC = 0.871) demonstrates significant diagnostic accuracy for differentiating allergic conjunctivitis from other ocular surface diseases.

Easy 4-Step Process



Sample Collection **Sample Loading** **Add Buffer** **Results in 10 Minutes**