



# SERATEC® SeraQuant

Forensic Test Reader

Objective results. Quantifiable evidence.

## Objective Quantification of SERATEC® Lateral Flow Tests

Interpreting lateral flow tests by eye has clear limitations. Signal intensity varies, results can be borderline, and interpretation depends on the examiner. Differences between users, lighting conditions, and expectations lead to inconsistent calls that are difficult to defend and impossible to quantify. In routine casework, this becomes critical when handling large numbers of samples or comparing results within a case.

SERATEC® SeraQuant converts visual signals into objective, quantitative data, enabling consistent evaluation, comparison, and documentation. The reader is designed for the identification and quantification of body fluid protein markers using SERATEC® rapid tests for blood, semen, and saliva, including single and duplex formats.

By replacing visual interpretation with measurement, SeraQuant reduces user-dependent variability and supports reproducible results across operators and laboratories.

The system operates fully autonomously and is ready to use immediately. Compact and lightweight, it can be used in the laboratory and at the crime scene.

1

### Objective quantification for defensible results

Transforms line intensity into numerical data, supporting reliable interpretation of weak, borderline, or mixed samples.

2

### Consistent across users and laboratories

Reduces inter-user variability and supports comparable results across analysts and laboratories.

3

### Ready for routine use – no user calibration

Pre-calibrated via code, with no user calibration required, for immediate integration into routine workflows.

4

### Built to support ISO 17025-compliant workflows

Standardized, traceable results that support validation, documentation, audit trails, and court-ready reporting.