



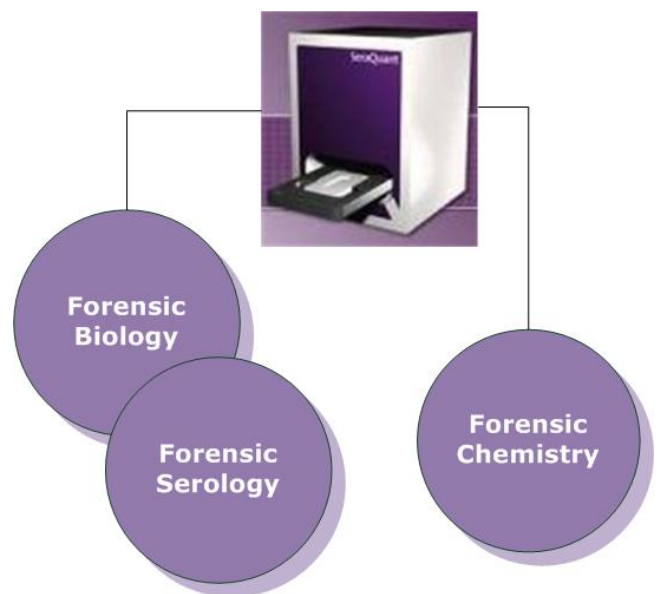
- ⇒ Useful extension to the qualitative detection methods
- ⇒ Precise identification of blood, seminal fluid and drugs of abuse
- ⇒ Objective quantitative result
- ⇒ Increased sensitivity
- ⇒ Computer-aided recognition
- ⇒ No naked eye evaluation
- ⇒ Essential relief in decision-making
- ⇒ User-friendly multilingual software
- ⇒ Comprehensive documentation & data storage
- ⇒ Plug & Play System

The SERATEC® SeraQuant is an instrument for the quantitative analysis of immunological membrane test-cassettes. These tests indicate the presence or absence of a substance in question with the aid of colored bands. These bands possess different color intensity and saturation depending on the concentration of the analyzed substance for which

the test is for. By means of a special algorithm the SeraQuant determines the intensity of the bands, which makes it possible to draw a conclusion about the concentration value.

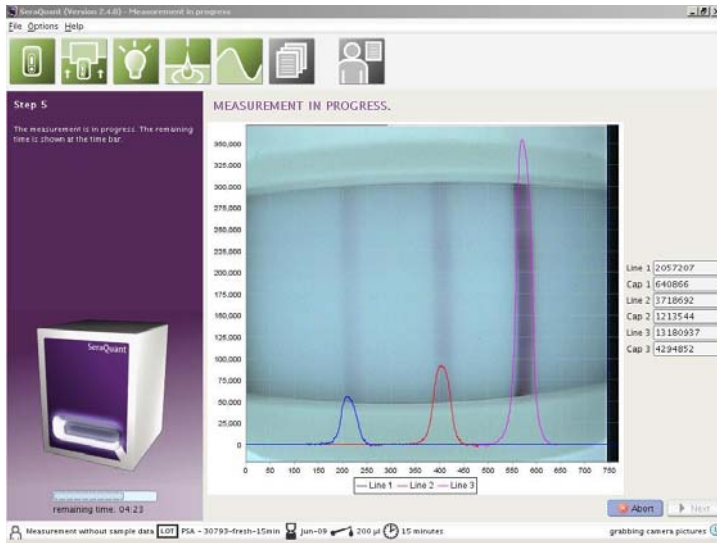
Furthermore, the unique software makes it possible to easily and clearly document the results of measurements and to supplement with their appropriate descriptive data in a database. The preserved data can then be sent over the network, printed, or exported to other programs.

In the Forensics, several branches can profit by using the SeraQuant:



The SeraQuant gives advantages for a broad application range with various immunological membrane test-cards. It can be used with the **SERATEC® PSA Semiquant** for the rapid detection of sperm liquid, the **SERATEC® HemDirect** for the rapid detection of human hemoglobin, and also **SERATEC® tests for detection of drugs** and narcotic substances in urine.

Currently, the presence of the following substances can be quantified by the SeraQuant:



Automatic recognition of colored bands

Date	Parameter	Result
2007-04-18 13:39	PSA	1,37 ng/ml ± 0 ng/ml
2007-04-18 12:48	PSA	1,28 ng/ml ± 0 ng/ml
2007-04-18 14:12	PSA	1,72 ng/ml ± 0,5 ng/ml
2007-05-15 10:22	PSA	3,16 ng/ml ± 0,8 ng/ml
2007-05-15 11:10	PSA	1,81 ng/ml ± 0,6 ng/ml
2007-05-15 11:12	PSA	<1,0 ng/ml
2007-05-15 11:13	PSA	23,69 ng/ml ± 3,1 ng/ml
2007-05-15 11:14	PSA	>25,0 ng/ml
2007-05-15 12:05	PSA	>25,0 ng/ml
2007-05-15 12:23	PSA	>25,0 ng/ml
2007-05-15 12:57	PSA	>25,0 ng/ml
2007-05-15 13:18	PSA	19,21 ng/ml ± 3,8 ng/ml
2007-05-15 13:40	PSA	11,59 ng/ml ± 2,6 ng/ml
2007-05-15 14:57	PSA	9,57 ng/ml ± 2,0 ng/ml
2007-05-15 15:17	PSA	6,28 ng/ml ± 1,8 ng/ml
2007-05-15 15:35	PSA	14,87 ng/ml ± 3,3 ng/ml
2007-05-15 15:51	PSA	2,72 ng/ml ± 0,7 ng/ml
2007-05-15 16:09	PSA	2,54 ng/ml ± 0,6 ng/ml
2007-05-15 16:34	PSA	1,49 ng/ml ± 0,5 ng/ml
2007-05-15 16:50	PSA	1,40 ng/ml ± 0,5 ng/ml
2007-05-15 17:07	PSA	1,24 ng/ml ± 0,4 ng/ml
2007-05-15 17:24	PSA	<1,0 ng/ml
2007-05-15 14:22	PSA	<1,0 ng/ml
2007-05-16 14:50	PSA	<1,0 ng/ml
2007-05-16 15:13	PSA	<1,0 ng/ml

Extensive database provides high availability of measured data and wide reporting possibilities

For each parameter a special calibration curve is stored in the SeraQuant database. Two types of the immunologic lateral flow tests are taken into account by the unique SeraQuant algorithm:

- ⇒ Sandwich immunoassays
- ⇒ Competitive immunoassays

- Prostate-specific antigen (PSA, marker of the seminal fluid)
- Human hemoglobin
- Amphetamine
- Barbiturate
- Benzodiazepine
- Cocaine
- Methadone
- Methamphetamine
- Morphine
- Phencyclidine
- THC (Marijuana)
- Tricyclic antidepressants

To get more information about this innovative device please do not hesitate to contact us. Questions, inquiries and ideas can be sent to:

SERATEC  
Gesellschaft für Biotechnologie mbH  
Ernst-Ruhstrat-Str. 5  
D-37079 Goettingen

GERMANY

E-Mail: [seraquant@seratec.com](mailto:seraquant@seratec.com)  
Web: [www.seraquant.com](http://www.seraquant.com)

Thank you for the interest in our product.