

SERATEC®

Biological Stain Identification & Analysis



www.seratec.com
www.seraquant.com

Rapid Identification of Biological Stains

PSA Semiquant:

detection of seminal fluid

- **Semiquantitative**
an internal standard line indicates 4 ng/mL PSA
- **High sensitivity**
down to 1 ng/mL PSA
- **High specificity**
no cross reactions observed with seminal fluid of anthropoids; no cross-reaction with seminal plasma proteins
- **Stability of Prostate-specific antigen**
 - in sperm traces: detection of a thirty years old sample is known
 - in vaginal smear: detection up to 48 hours after rape



HemDirect Hemoglobin Test:

detection of the human hemoglobin

- **High specificity for human hemoglobin**
human specific except for samples of upper primate and ferret blood
- **Easy handling of sample material**
sample is transferred into extraction buffer tube and extracted just by shaking
- **Rapid operation**
results are available after only 5 minutes!
- **High sensitivity: down to 40 ng/mL**
equivalent to human blood diluted to $10^6 - 10^7$
- **Sample stability**
thirty years old blood stain was tested positive

Precise Quantification and Result Documentation of SERATEC® Membranes

For A Better Decision...

- Automatic detection of colored bands
- Determination of the color intensity
- Color intensity is quantified via calibration curve
- Result output as ng/mL
- Result protocol as text and image



About SERATEC® GmbH

General

Founded in 1987 as a research spin-off company in the old university town of Goettingen, Germany, SERATEC® GmbH can reflect upon a more than 20 years experience in research & development, production and distribution of rapid immunoassays for professional and home use.

Research and Development

The main focus of our R&D activities is to create innovative solutions in accordance to high demands specified by our customers. Forensic Biology is one of our core research areas. Several cooperations and products resulted from the proximity to one of the leading universities in Germany and to various governmental and private institutes.

We consider each R&D enterprise a new challenge that requires a specific approach as well as a full dedication. During the entire R&D process we continuously share our knowledge with the future product users in order to detect improvement chances already at an early stage. Being directly involved in product development and testing, our customers contribute to a fast and successful completion of R&D projects and can rely on the high quality of the new created products.

Production & Quality Management

Our customers can profit from flexible and effective production management based on strict standard operation procedures (SOPs). Just-in-time production as well as build-up of inventory for later sales based on long-term contracts are possible. We also make highest demands on our subcontractors, and the product components are constantly subjected to the internal quality control. SERATEC® GmbH is certified in accordance to ISO 9001 and ISO 13485.

Distribution

SERATEC® GmbH has set up a world-wide distribution network. Long-term contracts with wholesalers within and outside the European Union guarantee the availability of the SERATEC® products in more than 50 countries. In the field of Forensics, our customers are high reputed governmental and private forensic labs as well as research facilities at universities and hospitals.

Due to our long year experience, we can rely on comprehensive knowledge in export management. Being a partner of reliable freight forwarders and courier services, a fast and cost-effective delivery is guaranteed to each customer.

Contact Us

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