sphingotest®
Reliable. Practicable. Valuable.

For further information please contact:
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sphingotest® biomarker assays

- Microplate
- Calibrators
- Zero Matrix
- Washing Solution
- Buffer
- Tracer
- Washer
- Pipettes
- Shaker
- Computer
- Luminometer

sphingotest® acute biomarkers
- Early prediction for early intervention
- Close monitoring for discharge decision
- Unaffected by comorbidities and inflammation
- Simple and robust cut-off
- Easy handling of blood samples

sphingotest® bio-ADM
Prediction, Diagnosis and Monitoring of Acute Circulatory Failure in Sepsis and Incomplete Decongestion in Acute Heart Failure

sphingotest® penKid
Prediction, Diagnosis and Monitoring of Acute Kidney Injury
sphingotest®
immunoassay principle

Ready to use microtiter plate, pre-coated with target protein-specific capture antibodies.

Target proteins from sample are selectively bound to solid phase via capture antibodies. Other proteins are washed away.

Acridinium ester-labeled tracer antibodies specifically bind to another epitope of the target protein and chemiluminescence is detected.

sphingotest®
assay in 6 simple steps

1. Reconstitute Components
2. Pipette Calibrators and Samples
3. Pipette Tracer
4. Incubate
5. Wash
6. Measure

PAMP MR-proADM ADM-Gly CT-proADM

1. Proteolysis Proenkephalin
2. Amidation Stable fragment that prevents timely monitoring circulation active inactive bioactive fragment that enables timely monitoring
**sphingotest® bio-ADM assay principle**

*sphingotest® bio-ADM* is an immunoassay to specifically measure the amidated biologically active Adrenomedullin (bio-ADM) peptide.

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**sphingotest® bio-ADM assay-specific parameters**

- **Sample matrix:** 100 µL EDTA plasma
  - *bio-ADM* is stable at room temperature
- **Tracer volume:** 150 µL
- **Incubation:** 1 h at 22°C under shaking
sphingotest® penKid assay principle

sphingotest® penKid is an immunoassay that measures a stable fragment of Proenkephalin. penKid is a surrogate marker for the unstable Enkephalin peptides, that have a direct kidney stimulating function.

Proenkephalin

(Enkephalin peptides)

Proenkephalin\textsuperscript{119-159} penKid

solid phase antibody tracer antibody

sphingotest® penKid assay-specific parameters

Sample matrix: 50 µL EDTA plasma
penKid is stable at room temperature

Tracer volume: 150 µL

Incubation: 1 h at 22°C without shaking
sphingotest®
kit content

- Washing Solution
- Buffer
- Tracer
- Microplate
- Calibrators
- Zero Matrix

sphingotest®
required equipment

- Pipettes
- Shaker*
- Luminometer
- Washer
- Computer

* Temperature controlled
sphingotest®
acute biomarkers

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sphingotest® bio-ADM
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