



sphingotest® biomarker assays

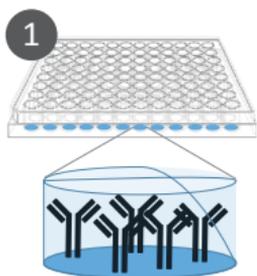
sphingotest®

Reliable. Practicable. Valuable.

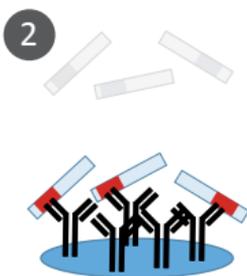
 sphingotec  
*Innovations for life*

# sphingotest<sup>®</sup>

## immunoassay principle



1 Ready to use microtiterplate, pre-coated with target protein-specific capture antibodies.



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



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

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## assay in 6 simple steps



1 Reconstitute Components



2 Pipette Calibrators and Samples



3 Pipette Tracer



4 Incubate



5 Wash

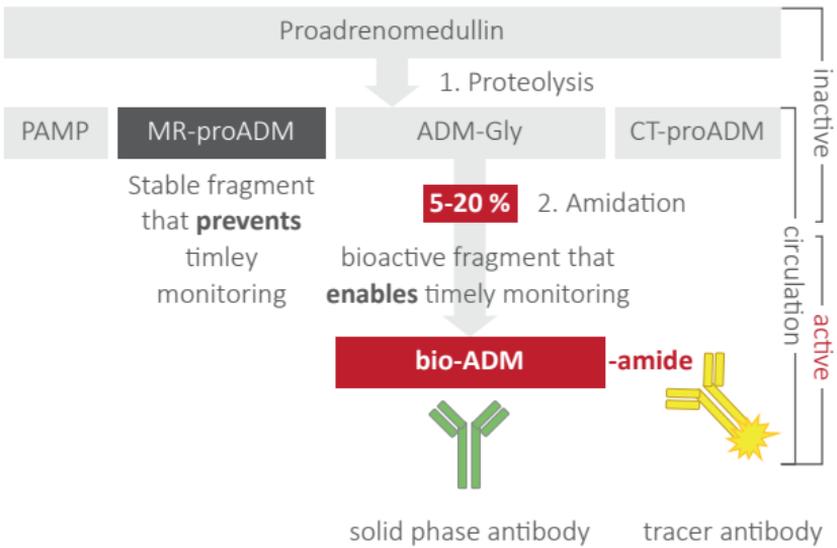


6 Measure

# sphingotest<sup>®</sup>

## bio-ADM assay principle

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



## sphingotest<sup>®</sup> bio-ADM assay-specific parameters



Sample matrix: 100  $\mu$ L EDTA plasma  
bio-ADM is stable at room temperature



Tracer volume: 150  $\mu$ L

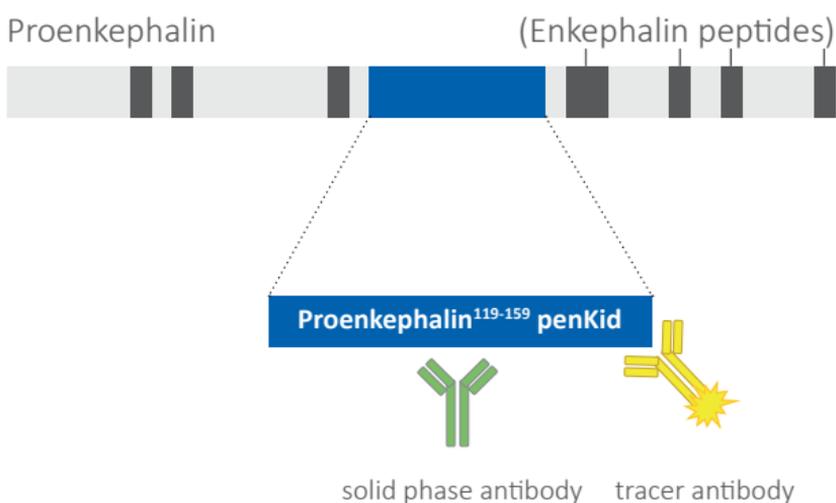


Incubation: 1 h at 22°C under shaking

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## penKid assay principle

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



## sphingotest<sup>®</sup> penKid

### assay-specific parameters



Sample matrix: 50  $\mu$ L EDTA plasma  
penKid is stable at room temperature



Tracer volume: 150  $\mu$ L

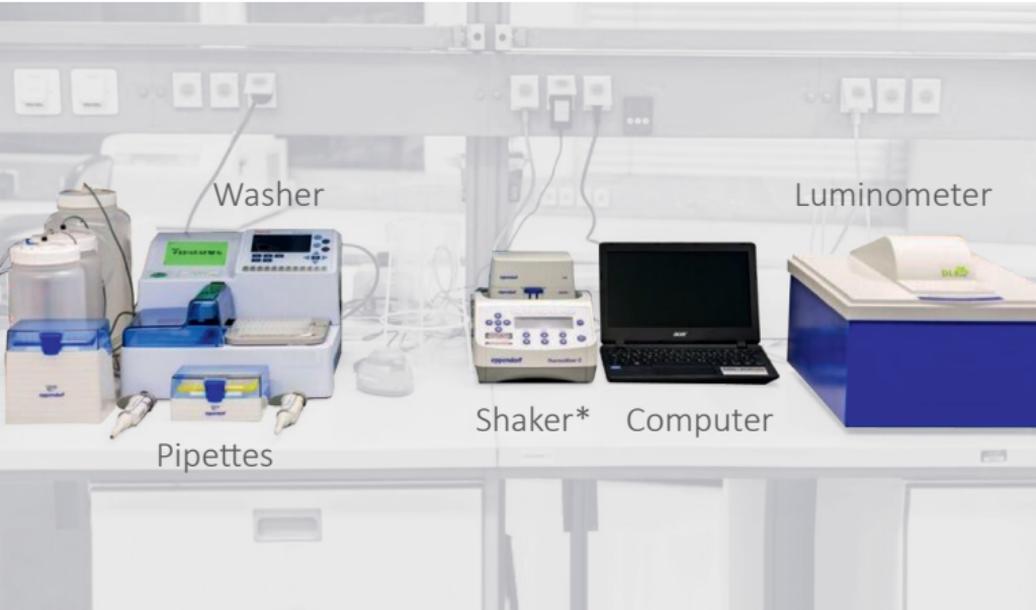


Incubation: 1 h at 22°C without shaking

# sphingotest<sup>®</sup> kit content



# sphingotest<sup>®</sup> required equipment



\* Temperature controlled

# sphingotest<sup>®</sup>

## 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<sup>®</sup> bio-ADM

Prediction, Diagnosis and Monitoring  
of Acute Circulatory Failure in Sepsis and  
Incomplete Decongestion in Acute Heart Failure

### sphingotest<sup>®</sup> penKid

Prediction, Diagnosis and Monitoring  
of Acute Kidney Injury

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