

High Sensitive ACE Kinetic

Quantitation of ACE Activity
in Cerebrospinal Fluid (CSF)

ACE Activity
in CSF

Reliable detection of ACE
activity in CSF samples

Measurement of CSF/Serum pairs

Microtiter plate based assay

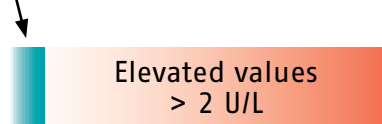
Easy to perform - manually or
automated

US and Canada: Available For
Research Use Only for
determination of ACE activity
in CSF and diluted serum
samples. Not for use in diagnostic
procedures.

Measurable Range of ACE in CSF and Serum

ACE in CSF (KK-ACF-U):

Normal values
0-2 U/L

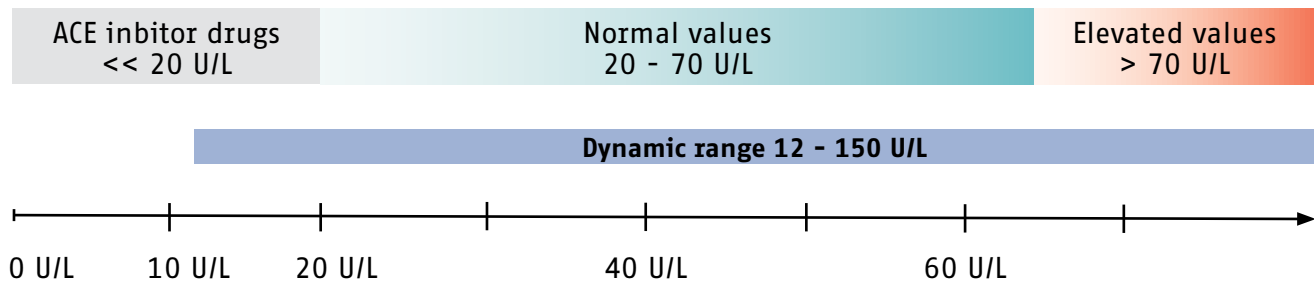


Dynamic range 1.5 - 24 U/L

The enzymatic activity of ACE in samples from cerebrospinal fluid (CSF) is significantly lower compared to serum activity. Commercially serum tests are not suitable to quantify this activity.

The high sensitive ACE kinetic assay allows to distinguish between values below 2 ACE U/L and to quantify abnormally high values in CSF samples.

ACE in serum (KK-ACK):

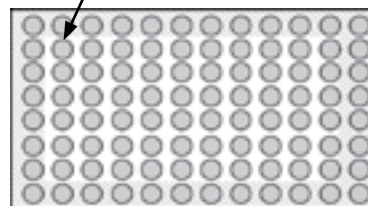


Assay Principle

The standard procedure runs on microtiter plates. The application on some clinical chemistry analysers is possible.

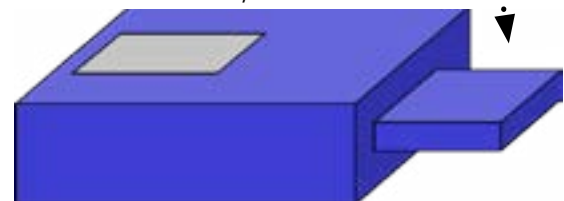
ACE within Calibrators, Controls and sample cleaves synthetic substrate FAPGG into an amino acid derivative and a dipeptide. The kinetic of this cleavage reaction at 37°C is continuously measured by recording the decrease in absorbance at 340 nm.

Pipet:
80 µl sample + 50 µl substrate (R1)



Microtiter Plate

Reaction 30 min at 37°C
Read out every minute



Kinetic Microtiter Plate Reader

For Research Use Only

ACE high sensitive is available for Research Use Only in the US and Canada. It can be employed for determination of ACE activity in CSF and diluted serum samples in a research setting. Not for use in diagnostic procedures.

Ordering code:
KK-ACF-U

11 mL substrate

