

PR 007774	14-3-3 PROTEIN IN CEREBROSPINAL FLUID (CSF)	PAGE 1/1 VALID UNTIL: 01-01-2024
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How to send samples?

Important!!!!

Cerebrospinal fluid should be **collected, stored and shipped** in tubes made of polypropylene, because the analysis of the 14-3-3 protein is combined with the analysis of tau, phosphorylated tau181, amyloid beta42 protein, NSE and S-100b in CSF. The concentrations of these latter proteins will be artificially decreased in tubes made of other materials (e.g. glass, polystyrene). A centrifuged aliquot of cerebrospinal fluid (minimal volume 1 ml.; desirable volume 2 ml.) can be sent to our laboratory for analysis.

Note 1: The CSF should be preferably sent frozen on dry ice to our laboratory; only when it can be delivered to our laboratory within 24 hours after withdrawal dispatch at room temperature is possible.

Note 2: The analysis of the 14-3-3 protein is usually requested in case of suspicion for Creutzfeldt-Jakob's disease. It is strongly recommended to perform the analysis of the "CJD panel" of CSF markers in case of this suspicion. This panel comprises: tau, phosphorylated tau181, amyloid beta42 protein, neuron specific enolase and S-100b. By doing so, a much more reliable conclusion can be made about the possible diagnosis CJD and in case this is not likely, this panel allows for an interpretation of which other dementia disorder may be diagnosed (e.g. Alzheimer's disease).

Note 3: Please send the material according to the "norm diagnostische monsters klasse 3". This means that samples should be double packed. First, pack the sample in a closed plastic container or plastic bag. Second, pack this container or bag in a second closed plastic (leak proof) container. On the outside, attach the "biohazard" sign and state that the package contains body fluids that are derived from a patient suspected of having CJD.

Address for sending material:

Radboud university medical center
Radboudumc Diagnostic Laboratory, Route 815
Attn. TML, Neurochemistry, dr. MM Verbeek
PO Box 9101
6500 HB NIJMEGEN
The Netherlands

Contact information :

phone: #-31-24-3614567 ; fax: #31-24-3668754

e-mail: marcel.verbeek@radboudumc.nl

Analysis frequency

Every week

Turn-over time

Maximally 1.5 weeks.

Note: during summer and Christmas holidays the maximum turn-over time may also increase to 1.5 weeks, due to shortage in qualified staff.

Reference values

In normal CSF, the concentration of 14-3-3 protein by ELISA is < 14,000 AU/ml, and is reported as negative.

Analysis costs

Please contact us.