

The use of the low binding tube contributes to accuracy of results



Abeta42 peptides adsorb to the surfaces of certain types of plastic tubes.



CSF exposed to polystyrene tubes leads to 20–50% reduction in Abeta42 concentration due to adherence.



It is recommended that **polypropylene tubes (low-binding)** be used for CSF collection and storage.

Most impactful on the Abeta42 concentrations are:

1. Tube type - collect into the recommended low-binding tubes
2. Tube filling volume - fill the tube to the mark (at least 2.5 mL)
3. Transfer of CSF from one tube to another should be limited
4. Transportation conditions - tubes should be transported upright
5. Mixing/inverting - it is not recommended for fresh samples as it can affect Abeta42 concentrations

*The tube required for CSF collection

(but not available through Roche):

Product: 2.5 mL low bind false bottom tube

Order Number: 63.614.625

Vendor: Sarstedt



1. del Campo M, Biomark Med. 2012; Aug;6(4):419-30
 2. Lewczuk P et al., Clin Chem. 2006 Feb;52(2):332-4.
 3. Hansson et al., Alzheimer's Dement. 2021;17:1575–1582.