

## Residual ADNI sample testing at EUROIMMUN

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### Summary

Following the analysis of CSF ADNI samples with the Roche Elecsys tests for Beta-Amyloid 1-42, tau and P-Tau181 other diagnostic companies were allowed to request access to the CSF volume left in the tube after analysis. EUROIMMUN requested and received 120 residual CSF samples covering the whole Amyloid 1-42 measurement range in order to be able to compare the newly developed EUROIMMUN Beta-Amyloid 1-42 and Beta-Amyloid 1-40 tests to the method chosen to be used in ADNI.

### Method

ADNI CSF samples have been measured for classical CSF biomarkers (Beta-Amyloid 1-42, total-tau, P-Tau 181) with the Roche Elecsys machine and tests. The CSF leftover in the tube after this measurement was frozen again and shipped on dry ice to EUROIMMUN, Germany. The newly developed, chemiluminescence immunoassays for Beta-Amyloid 1-42 and Beta-Amyloid 1-40 for the fully automated random access EUROIMMUN RA10 were used to measure the 120 residual CSF ADNI samples we received. In addition 20 ADNI pool samples have been analysed. All samples have been measured on one day on the same instrument by the same operator.

### Dataset Information

Dataset Name	Date Submitted
Residual CSF sample testing	LOI submitted Spring 2016