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N Latex BTP
Assay

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N Latex BTP Assay: Rapid Detection of CSF Leakage and Easier Estimation of RRF.

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Answers for life.

One Assay, Two Applications.

N Latex BTP Assay: Rapid Detection of CSF leakage and Easier Estimation of RRF

The Siemens N Latex BTP assay is a fast and accurate screening method for detection of cerebrospinal fluid (CSF) and estimation of residual renal function (RRF). A fully automated, random-access assay designed for the Siemens BN™ II and BN ProSpec® Systems, the N Latex BTP assay employs a latex-enhanced, polyclonal reagent that provides high sensitivity, specificity, and lot-to-lot reproducibility.



Two applications—one accurate, convenient, fully automated assay. Visit www.siemens.com/diagnostics or contact your Siemens representative for more details.

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Fast and Accurate Detection of CSF Leakage

The new N Latex BTP Assay is the first fully-automated marker to accurately determine CSF leakage with a simple, nephelometric lab test. Testing can be performed on minimal sample volumes of CSF containing samples, serum, or plasma. Results are comparable to the β 2-transferrin immunofixation electrophoresis method, but faster, easier, and less expensive.^{1,2}

- High specificity of 100% and sensitivity of 99% for accurate results.²
- 12 minutes assay time—time to result, from sample collection to final result, can be less than 1 hour, half the time needed for B2Trf, enabling faster surgical intervention.¹
- Low incidence of false-positive results helps reduce costly imaging testing and potential loss of life due to misdiagnosis.
- Expensive MRI is required only to confirm positive results.

Simple and Precise Monitoring of RRF

BTP measurement with the N Latex BTP assay offers simpler sample retrieval and increased accuracy of RRF determination when compared to other methods.

- Allows estimation of renal contribution to clearance, without cumbersome urine collection.
- BTP determination only requires a single serum sample.
- Provides information clinicians need to:
 - Adjust dialysis regimen
 - Proactively anticipate and manage complications
 - Use therapies that preserve RRF
 - Test new interventions to preserve RRF
 - Simplify clinical trial design

References:

1. Mantur M, Łukaszewicz-Zajac M, Mroczko B, Kułakowska A, Ganslandt O, Kemona H, Szmikowski M, Drozdowski W, Zimmermann R, Kornhuber J, Lewczuk P. Cerebrospinal fluid leakage—reliable diagnostic methods. *Clin Chim Acta*. 2011 May 12;412(11-12):837-40.
2. Bachmann-Harildstad G. Diagnostic values of beta-2 transferrin and beta-trace protein as markers for cerebrospinal fluid fistula. *Rhinology*. 2008;46:82-5.

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