Pandy’s Reagent
for determinations in liquor cerebrospinalis (CSF)

Usable for Pandy’s reaction. Other applications according to literature are possible.

Principle
Pandy’s Reagent is a phenol solution in water which precipitates globulines and also albumines, albumoses and proteides. For further differentiation it is possible to perform an additional test with Nonne-Apelt’s Reagent which nearly selective precipitates only globulines and fibrin globulines.

Reagent
The reagent is ready for use. Original closed and stored at +10 ... 25 °C stable until the imprinted expiry date. After opening prevent Pandy’s reagent from contaminations, keep well closed and use within 6 month, but not longer than the expiry date.

Risks and Safety
Please maintain the necessary precautions for use of laboratory reagents and body fluids. Applications should be performed by expert personnel only.

For further safety information please see the corresponding Safety Material Data Sheet (MSDS).

Content / main components
006698-0100 1× 100 ml Pandy’s Reagent
006698-0250 1× 250 ml Pandy’s Reagent Phenol 800 mmol/l, non-reactive components, Aqua p.a.

Sample Specimen
fresh liquor cerebrospinalis.

Range of reference
Assessments:
normal: ......................... slight turbidity and a very slight cloud pass for normality.

Procedure
Give 4 drops Pandy’s Reagent on a glass slide. To that let flow slowly from the reagent border 1 drop CSF (cerebrospinal fluid). Control the reaction against a black background.

Evaluation
Each strong turbidity implies pathological reaction of CSF.
The degree of turbidity is classified into the following categories:

- very slight cloud: .................. (-) negative
- slight turbidity: .................. (+) positive
- strong turbidity: .................. (++ ) strong positive
- Precipitation: .................. (+++) very strong positive
- Positive: .................. > ~30 mg/dl total protein resp. > ~0.30 g/l.

Specificity
Beside the reaction to pathological concentrations of globulines, the Pandy’s reaction shows reactions also with albumines and other proteins. The Nonne Apelt’s reaction determines nearly only globulines [2].

In case of positive Pandy’s reaction it is recommended to perform an additional test with Nonne-Apelt’s Reagent (bioanalytic REF 006697). Reagent and instructions on request.

Quality Controls
For internal quality controls and for training and visual evaluation it is recommended to use a control CSF (liquor cerebrospinal) fluid, e.g. Rapitrol® CSF or Rapitrol® LSQ.
Information

Support / Infoservice
Methodical and technical support by eMail support@bioanalytic.de or by fax (German, English).
Check the actuality of this product information periodically on our website.

Classifications
EU:   EDMA: 13 01 90 90 00; IVD

Waste Management
Please refer to the legal regulations.
Used and expired solutions must be disposed of according to local regulations.
Within the EU, the rules apply on the basis of Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances, as amended.
Decontaminated packaging may be treated like household waste or recycled, unless otherwise specified.

Literature