3E-142

Pandy's reagent
In-vitro diagnostic agent

Description

The product 3E-142 is a ready-to-use solution for professional users in histology and cytology. The product comes in 3 different pack sizes: 3E-142.00100 (100ml bottle), 3E- 142.00250 (250ml bottle), 3E-142.01000 (1l bottle).

Main components

Phenol (CAS 108-95-2)	80g/L

Purpose

"Pandy's reagent" enables the semi-quantitative determination of the protein content in the cerebrospinal fluid (CSF).

Sample material and sample preparation

Sampling may only be carried out by qualified personnel. All samples must be processed with state-of-the-art technology. All samples must be clearly labelled.

Sample material: Fresh cerebrospinal fluid

Test principle

The principle is based on the precipitation of proteins (e.g. globulin, albumin, albumoses) in aqueous phenol solution. For further differentiation, Nonne-Apelt's reagent can be used in parallel.

Staining

For staining, place 4 drops of "Pandy's reagent" in a watch glass dish or block dish. Then slowly add 1 drop of cerebrospinal fluid from the edge and observe everything against a dark background.

Result

Please note: Any severe turbidity indicates pathological behaviour of the CSF.
The degree of turbidity is given as follows:

Light clouds	(-) negative
Slight turbidity	(+) positive
Strong turbidity	(++) Strong positive
Precipitation	(+++) very strongly positive

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Precautionary measures

When removing the product, care must be taken to avoid contamination of the storage vessel. Once the solution has been removed, it must not be returned to the canister. If turbidity or solids appear, discard the product. The product is intended for single use and must not be reused.

Storage and shelf life

Store the unopened containers in a dry place at 15 to 25 °C, avoiding direct sunlight.
The shelf life is 2 years. See also the best-before date (BBD) on the label. Once the containers have been opened, the shelf life corresponds to the best-before date, as long as the storage conditions are observed and the solution is handled properly.

Safety notice

If any serious incidents occur in connection with the product, please report them to the manufacturer and the national authority.

Literature

Romeis, Mikroskopische Technik, Editors: Maria Mulisch, Ulrich Welsch, 2010, Springer Spektrum, 18th edition