

Pandy's Reagent

Cat. No.: P1525461 | Pack size: 100 mL | Storage: Protected from light, Room temperature

Overview

Cerebrospinal Fluid (CSF) is a colorless and transparent fluid found in the cerebral ventricles, subarachnoid space and central canal of the spinal cord. It is secreted by the choroid plexus within the ventricles and bears similar properties to blood plasma and lymph. In healthy adults, the total volume of CSF is approximately 100~150 mL. It is weakly alkaline and free of red blood cells. Containing specific chemical components and pressure, CSF plays a vital role in maintaining stable intracranial pressure. When the central nervous system is damaged, CSF examination serves as a crucial auxiliary diagnostic method. Pandy's Reagent is mainly composed of phenol. The globulins in cerebrospinal fluid bind with phenol to form insoluble protein salts that precipitate, resulting in white turbidity or sediment. This assay is also known as the Pandy test, which is widely applied for qualitative detection of protein in human or animal cerebrospinal fluid. This reagent is intended for research use only and shall not be used for clinical diagnosis or other purposes.

Operating Procedures (For Reference Only):

1. Take a small test tube and add 2~3 mL of Pandy's Reagent.
2. Add 1~2 drops (approximately 0.05~0.1 mL) of cerebrospinal fluid, mix thoroughly, and observe immediately against a black background.

Result Interpretation:

Result	Observation
Negative	Clear and transparent, no opalescence
Weakly positive ($\pm$)	Slight white opalescence, only visible against a black background
Positive (+)	Grayish white opalescence
(2+)	White turbidity
(3+)	Thick white flocculent precipitate
(4+)	White clot

Precautions:

1. The sample shall be sent for test immediately after collection, and the waiting time generally shall not exceed 1 hour.
2. The result is mostly negative or weakly positive under normal conditions; positive reactions will appear when lesions occur in brain tissue or cerebrospinal cord.
3. Please use up the reagent as soon as possible after opening to avoid adverse effects on subsequent experiments.

Specifications

Item	Information
Specifications & Purity	BioReagent
Stability And Storage	Store at room temperature long term (12 months).Store in the dark.
Storage	Protected from light, Room temperature
Shipped In	Normal

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES Aladdin Scientific Corporation 14078 Meridian Parkway, Riverside, CA 92518, USA Phone: 1-833-552-7181 Sales: sales@aladdinsci.com Customer Service: custserv@aladdinsci.com	EU SALES, LOGISTICS & LOCALIZED SUPPORT Aladdin Biochem Deutschland GmbH Westring 2, 33142 Büren, Germany Phone: +02951 9383958 Support: support.eu@aladdinsci.com
---	--

Limitations & Disclaimer

- ☐ For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- ☐ This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- ☐ Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- ☐ Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- ☐ Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.