

# CEE-Sure™ Cerebrospinal Fluid (CSF) Collection Tube

## INSTRUCTIONS FOR USE

The CEE-Sure™ Cerebrospinal Fluid (CSF) Collection Tube is intended for collection, stabilization, transport, and storage of CSF samples. **This product is for Research Use Only, not for use in diagnostic procedures.**

## SUMMARY AND PRINCIPLES

CEE-Sure is designed to preserve cells from lysing and antigen degradation due to age or transport conditions. Combined with anticoagulation, CEE-Sure prevents cells from assembling into cell clusters, due to shear force activation, inside microfluidic devices. CEE-Sure allows for room temperature shipment of CSF for nucleated cell isolation, and for cfDNA detection.

CEE-Sure has been demonstrated to stabilize nucleated cells (including CSF-TCs) for up to 4 days (including shipment agitation). Preventing cell lysis decreases undesired genomic DNA, and other cellular components, from being released.

CSF collected in the CEE-Sure CSF Collection Tube should be kept at ambient conditions (18°C-25°C).

## REAGENTS

CEE-Sure CSF Collection Tubes contain anticoagulant ACD-A (Acid Citrate Dextrose) and a Formaldehyde Releasing Reagent as a preserving agent in a liquid medium.

## PRECAUTIONS

1. **For Research Use Only, not for use in diagnostic procedures.**
2. Do not use CEE-Sure CSF Collection Tubes after expiration date.
3. Do not use tubes for collection of materials that will be injected into patients.
4. Do not add to, dilute, or remove components in tubes.
5. Do not use tube if preservative has leaked.
6. Store unfilled tubes away from direct sunlight.
7. Do not freeze tubes.
8. Do not overheat tubes (above 40°C).
9. When and after collecting specimens, treat tubes according to federal and state codes for biological samples.
10. Dispose of tubes with biohazardous waste.

## CAUTION

1. CSF and other biological specimens should be treated as a biohazard. Avoid contact with mucous membranes and skin.
2. If skin contact should occur, immediately rinse with soap and water, rinse thoroughly, and seek medical advice.
3. If eye contact should occur, immediately rinse with water for at least 15 minutes and seek medical advice.
4. Dispose of product with biohazardous medical waste.
5. SDS is available at [www.biocept.com](http://www.biocept.com).

## STORAGE & STABILITY

1. CEE-Sure CSF Collection tubes can be used for sample collection on or before the expiration date when stored at 4° C to 40° C.

	Sample Type
	CSF-TCs
Sample Stability	Up to 4 Days
Sample Storage Temperature	18°C-25°C

## INDICATIONS OF PRODUCT DETERIORATION

1. Precipitate or cloudiness visible in reagent of tube prior to CSF collection.
2. Visible yellowing of the reagent prior to CSF collection.

## LIMITATIONS

1. For single use only.
2. Under-filling the tube will result in improper preservative ratio and may lead to incorrect analytical results.

## SPECIMEN COLLECTION INSTRUCTIONS

1. Collect CSF in sterile tubes provided in lumbar puncture kit.
2. Carefully pour the CSF into CEE-Sure CSF Collection Tubes containing preservative provided in the Biocept transport kit.
3. Immediately invert the tube fully 5 times to ensure reagent mixing.
4. Label the tubes with collection date, time of draw, and include two patient identifiers.

## CSF COLLECTION KIT & CEE-SURE™ CSF TUBES



## ORDERING INFORMATION

For more information on CNSide™, please visit [www.biocept.com/cnside-assay/](http://www.biocept.com/cnside-assay/).

To order a CSF collection kit, please visit [www.biocept.com/order-a-test/](http://www.biocept.com/order-a-test/) and call our Customer Service team at 888-332-7729.

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