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## **DATASHEET**

aCSF Solution (Sterile Filtered)

## **Product overview**

Name aCSF Solution (Sterile Filtered)

Cat No HB4969
Biological description Overview

Artificial cerebrospinal fluid (aCSF) solution is prepared from analytical grade reagents and high purity water. It is microfiltered and sterile.

Uses & applications

It closely matches the electrolyte concentrations of CSF and is frequently used when sampling from

brain interstitial fluid. It is regularly used in patch-clamp electrophysiology.

Final Ion Concentrations (in mM): Na 150; K 3.0; Ca 1.4; Mg 0.8; P 1.0; Cl<sup>-</sup> 155

**Description** Artificial cerebrospinal fluid (aCSF)

## **Solubility & Handling**

Storage instructions

**Important** 

Room temperature

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

## References

Patch-clamp studies in the CNS illustrate a simple new method for obtaining viable neurons in rat brain slices: glycerol replacement of NaCl protects CNS neurons

Ye JH *et al* (2006) J Neurosci Methods 158(2) **PubMedID** 16842860

Modification of hippocampal excitability in brain slices pretreated with a low nanomolar concentration of Zn2+

Takeda A *et al* (2015) J Neurosci Res 93(11) **PubMedID**26268632