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DATASHEET

aCSF Solution (Sterile Filtered)

Product overview

Name	aCSF Solution (Sterile Filtered)
Cat No	HB4969
Biological description	<u>Overview</u>

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.

Description

Final Ion Concentrations (in mM): Na 150; K 3.0; Ca 1.4; Mg 0.8; P 1.0; Cl⁻ 155
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](#)
