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DATASHEET

aCSF Solution (Sterile Filtered)

Product overview

Name aCSF Solution (Sterile Filtered)
Cat No HB4969
Biological description

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⁻ 155

Description Artificial cerebrospinal fluid (aCSF)

Solubility & Handling

Storage instructions Room temperature
Important 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
