

Artificial CerebroSpinal Fluid (ACSF)

From Marla Feller's lab

Jeff Gauthier, 7/03

IMPORTANT NOTE: Before adding CaCl_2 , bubble the solution with carbogen for about twenty minutes. Otherwise the CaCl_2 will precipitate out of the solution.

compound	[] (mM)	MW (g/mol)	grams / L
NaCl	118.0	58.44	6.90
KCl	3.5	74.55	0.26
$\text{MgCl}_2 \cdot 4 \text{H}_2\text{O}$	1.3	203.3	0.264
NaH_2PO_4	1.0	120	0.12
NaHCO_3	26.2	84.01	2.20
d-glucose	11.0	180.16	1.98
$\text{CaCl}_2 \cdot 2 \text{H}_2\text{O}$	2.5	147.02	0.37