

EXHIBIT B

aCSF (Artificial CerebroSpinal Fluid)

<Contents>

	mM	MW	For 1L	Catalog #
NaCl	124.00	58.44	7.25 g	SIGMA S-5886
KCl	3.00	74.55	0.22 g	SIGMA P-5405
NaHCO ₃	26.00	84.01	2.18 g	SIGMA S-5761
CaCl ₂ /2H ₂ O	2.00	147.02	0.29 g	SIGMA C-7902
MgSO ₄ /7H ₂ O	1.00	246.48	0.25 g	SIGMA M-7774
KH ₂ PO ₄	1.25	136.09	0.17 g	SIGMA P-5655
D-Glucose	10.00	180.20	1.80 g	SIGMA G-7021

<Stock solutions>

- 1) Ca x100 solution:
 - Dissolve 14.5g CaCl₂/2H₂O in 500 ml distilled water
 - 2) Mg x100 solution:
 - Dissolve 12.5.g MgSO₄/7H₂O in 500 ml distilled water
 - 3) Glucose x100 solution: 200 ml
 - Dissolve 36.0 g D-glucose in 200 ml distilled water
 - 4) Klebs x10 solution:
 - Dissolve 72.5g NaCl, 2.2 g KCl and 1.7 g KH₂PO₄ in 1L distilled water
- Keep all stock solutions in refrigerator (4C)

<aCSF 1000 ml>

Just mix and dissolve following stock solutions and material in 1000 ml distilled water.

1. 100 ml Klebs x10 solution
2. 2.18 g NaHCO₃
3. 10 ml Mg x100 solution
4. 10 ml Ca x100 solution
5. 10 ml Glucose x100 solution

NOTE:

- A) Keep above order of dissolution.
- B) Oxygenate with 95% O₂ & 5% CO₂ gas immediately right after mixture