

Materials List for:

Multi-analyte Biochip (MAB) Based on All-solid-state Ion-selective Electrodes (ASSISE) for Physiological Research

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Materials

Name	Company	Catalog Number	Comments
3,4-Ethylenedioxythiophene	Sigma-Aldrich	483028	
Poly(sodium 4-styrenesulfonate)	Sigma-Aldrich	243051	
EC epsilon galvanostat/potentiostat	Bioanalytical Systems Inc.	e2P	
Saturated Ag/AgCl reference electrode	Bioanalytical Systems Inc.	MF-2052	
Pt gauze	Alfa Aesar	10283	
Potassium ferricyanide	Sigma-Aldrich	P-8131	
Potassium nitrate	J.T. Baker	3190-01	
Sodium bicarbonate	Mallinckrodt/ Macron	7412-12	
Sodium carbonate	Sigma-Aldrich	S-7127	
Calcium chloride	J.T. Baker	1311-01	
Potassium chloride	Sigma-Aldrich	P9541	
Calcium sulphate	Sigma-Aldrich	237132	
C3 cell stand	Bioanalytical Systems Inc.	EF-1085	
Flow-cell chip holder			Custom, courtesy of NASA Ames
Flow-cell electrical fixture			Custom, courtesy of NASA Ames

Table 2. Specific reagents and equipment.