

Supporting Information

A universal biofilm reactor sensor for the determination of biochemical oxygen demand of different water areas

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Table S1. List of Experimental Reagents

NO.	Reagent	formula	factory
1	Glucose	$C_6H_{12}O_6$	Macklin
2	Glutamate	$C_5H_9NO_4$	Macklin
3	Sodium chloride	NaCl	Guangzhou Chemical Reagent
4	Magnesium chloride hexahydrate	$MgCl_2 \cdot 6H_2O$	Guangzhou Chemical Reagent
5	Anhydrous sodium sulfate	Na_2SO_4	Guangzhou Chemical Reagent
6	Anhydrous calcium chloride	$CaCl_2$	Guangzhou Chemical Reagent
7	Potassium chloride	KCl	Guangzhou Chemical Reagent
8	Sodium bicarbonate	$NaHCO_3$	Guangzhou Chemical Reagent
9	Sodium bromide	NaBr	Guangzhou Chemical Reagent
10	Leucine	$C_6H_{13}NO_2$	Macklin
11	Lysine	$C_6H_{14}N_2O_2$	Macklin
12	Malic acid	$C_4H_6O_5$	Macklin
13	Sorbitol	$C_6H_{14}O_6$	Macklin
14	N-butanol	$C_4H_{10}O$	Guangzhou Chemical Reagent
15	Fumaric acid	$C_4H_4O_4$	Macklin
16	Ethyl acetate	$C_4H_8O_2$	Guangzhou Chemical Reagent
17	Xylose	$C_5H_{10}O_5$	Macklin

18	Galactose	$C_6H_{12}O_6$	Macklin
19	Ferric chloride	$FeCl_3$	Guangzhou Chemical Reagent
20	Magnesium sulphate	$MgSO_4$	Guangzhou Chemical Reagent
21	Potassium dihydrogen Phosphate	KH_2PO_4	Guangzhou Chemical Reagent
22	Disodium hydrogen phosphate	Na_2HPO_4	Guangzhou Chemical Reagent
23	Ammonium chloride	NH_4Cl	Guangzhou Chemical Reagent
