

Table 1. Comparative results of phosphate buffer values. Threshold and optimal concentrations (pH = 7, T = 37°C, W = 250 rpm)

Parameters		10 mmol/L	30 mmol/L	50 mmol/L
Productivity (mg)		120	390	70
Biomass (g)		0.83	1.03	0.64
N/C (%)		20.15	20.85	67.33
Substrate Concentration (mg/L)		20.12	250.06	4688.37
Temperature medium after sterilization (°C)		T = 72.8	T = 64.9	T = 70.2
Conductivity (mS/cm) initial		18.60	16.60	22.30
Conductivity (mS/cm) first measure (3h)		15.10	11.20	20.30
Conductivity (mS/cm) final		15.10	12.30	20.00
Emulsification index	Phase (1)	47.85	46.66	52.38
EI ₂₄ (%)	Phase (2)	57.23	71.79	38.09
Emulsification index	Phase (1)	89.38	81.63	81.80
ES _{5D} (%)	Phase (2)	81.46	96.17	18.74