

**Table S1.** Experimental domain and design matrix for salt masses in SALLE optimization.

Factor	Level	
	Low	High
Mass of NaCl (mg)	200	600
Mass of MgSO <sub>4</sub> (mg)	0	400

Design matrix point	Mass of NaCl (mg)	Mass of MgSO <sub>4</sub> (mg)
1	259	59
2	541	59
3	259	341
4	541	341
5	200	200
6	600	200
7	400	0
8	400	400
9	400	200
10	400	200
11	400	200
12	400	200
13	400	200
14	400	200