Fig. 1

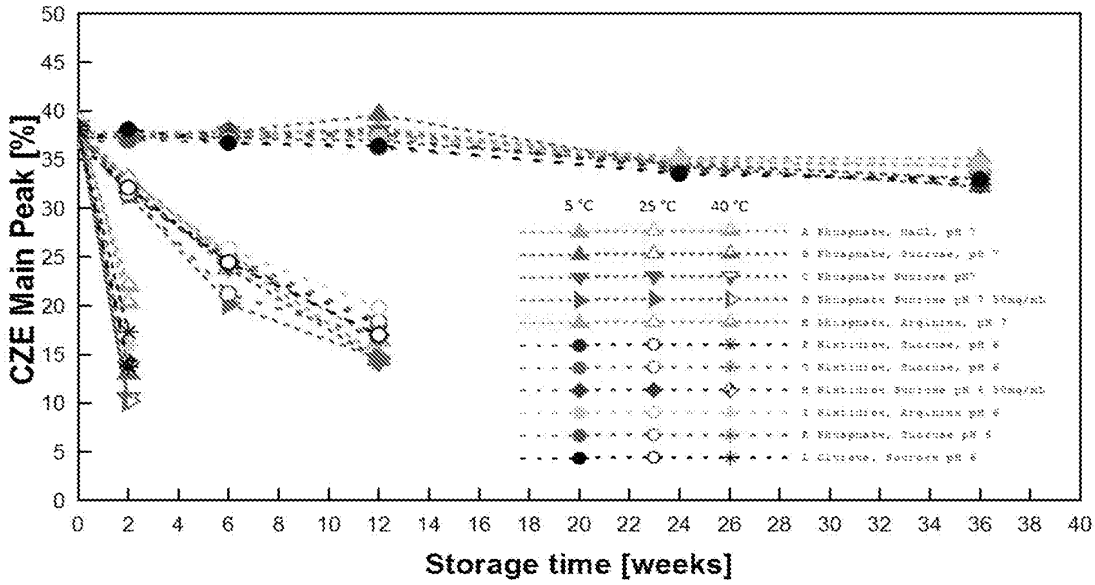
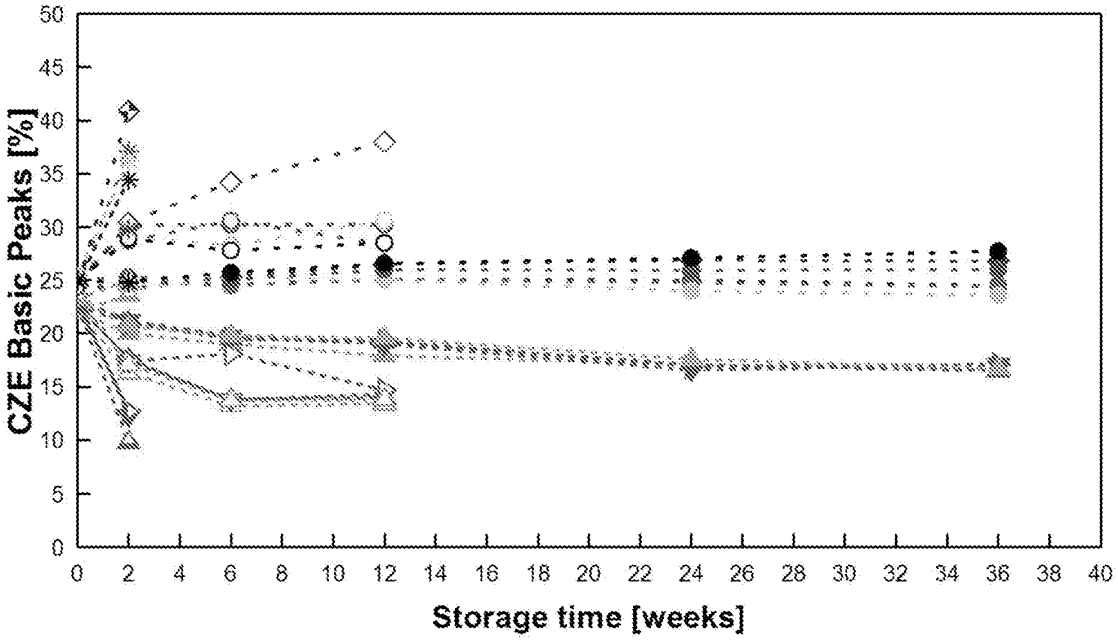


Fig. 2


CZE Basic Peaks [%]
Storage time [weeks]
0
5
10
15
20
25
30
35
40
45
50
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40

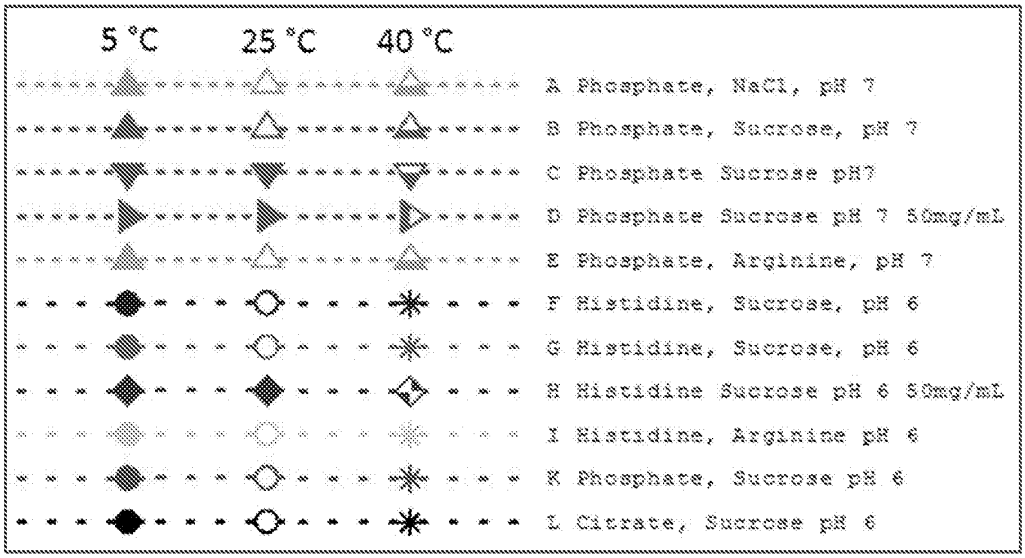

5 °C
25 °C
40 °C
A Phosphate, NaCl, pH 7
B Phosphate, Sucrose, pH 7
C Phosphate Sucrose pH7
D Phosphate Sucrose pH 7 50mg/mL
E Phosphate, Arginine, pH 7
F Histidine, Sucrose, pH 6
G Histidine, Sucrose, pH 6
H Histidine Sucrose pH 6 50mg/mL
I Histidine, Arginine pH 6
K Phosphate, Sucrose pH 6
L Citrate, Sucrose pH 6

Fig. 3

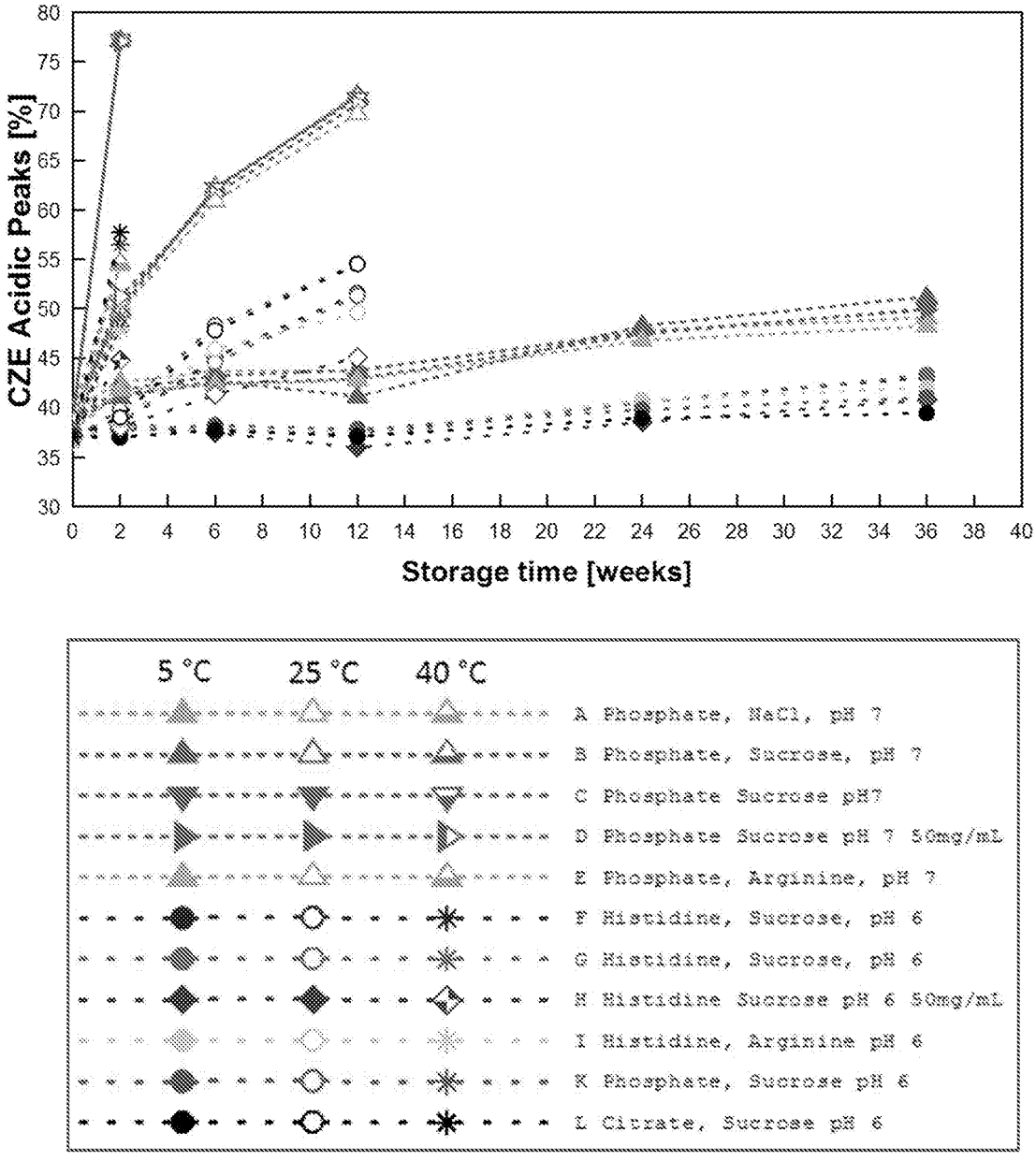
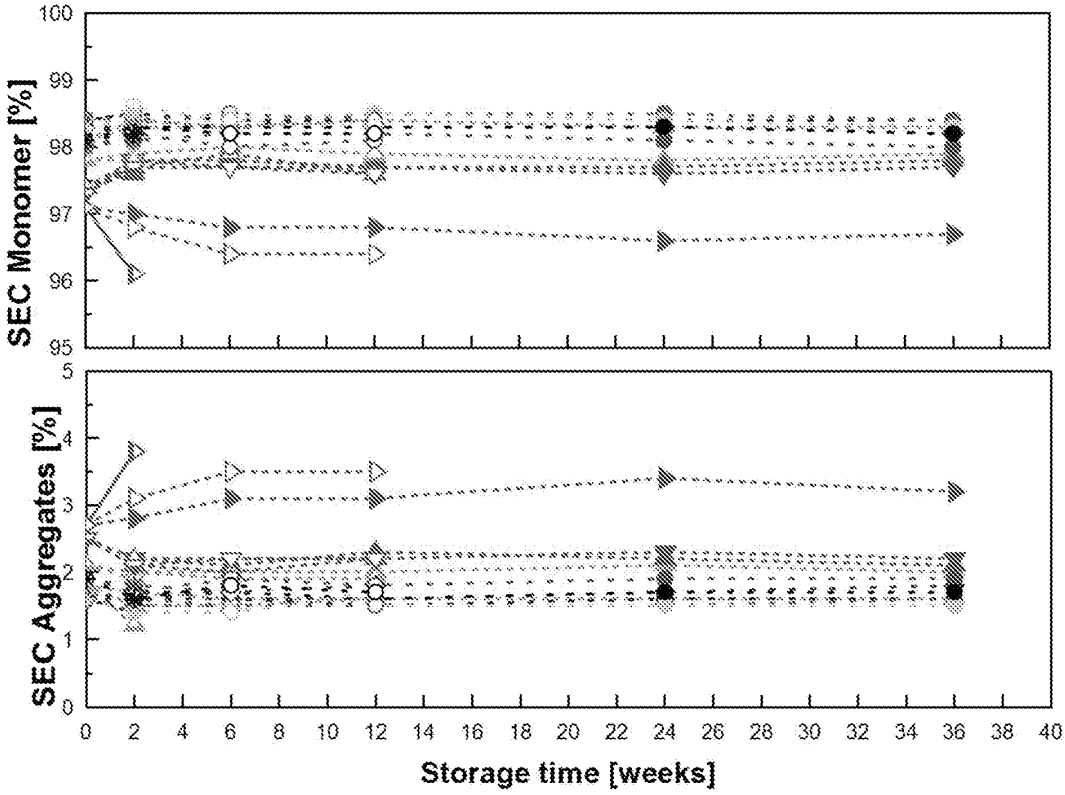

CZE Acidic Peaks [%]
Storage time [weeks]
5 °C
25 °C
40 °C
A Phosphate, NaCl, pH 7
B Phosphate, Sucrose, pH 7
C Phosphate Sucrose pH7
D Phosphate Sucrose pH 7 50mg/mL
E Phosphate, Arginine, pH 7
F Histidine, Sucrose, pH 6
G Histidine, Sucrose, pH 6
H Histidine Sucrose pH 6 50mg/mL
I Histidine, Arginine pH 6
K Phosphate, Sucrose pH 6
L Citrate, Sucrose pH 6

Fig. 4


SEC Monomer [%]
100
99
98
97
96
95
SEC Aggregates [%]
5
4
3
2
1
0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40
Storage time [weeks]

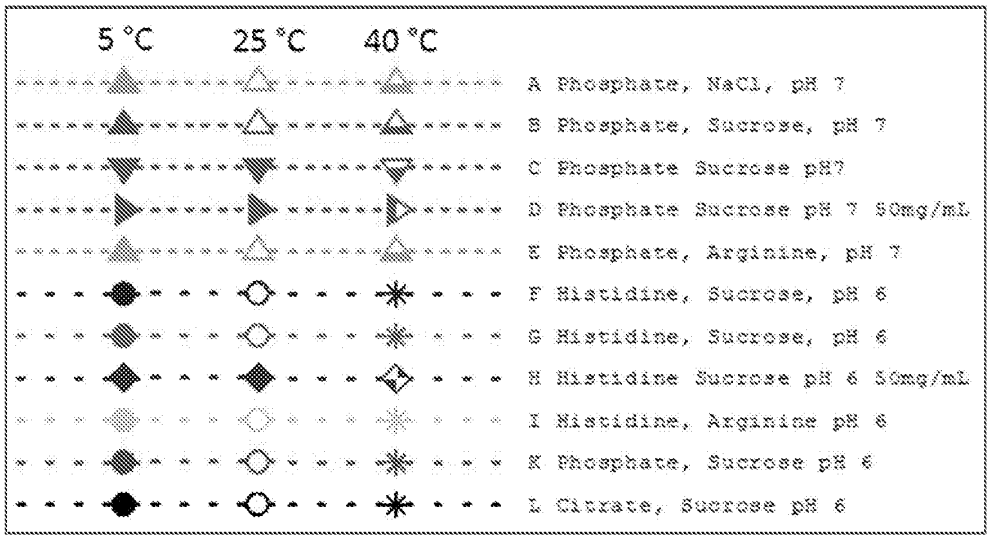
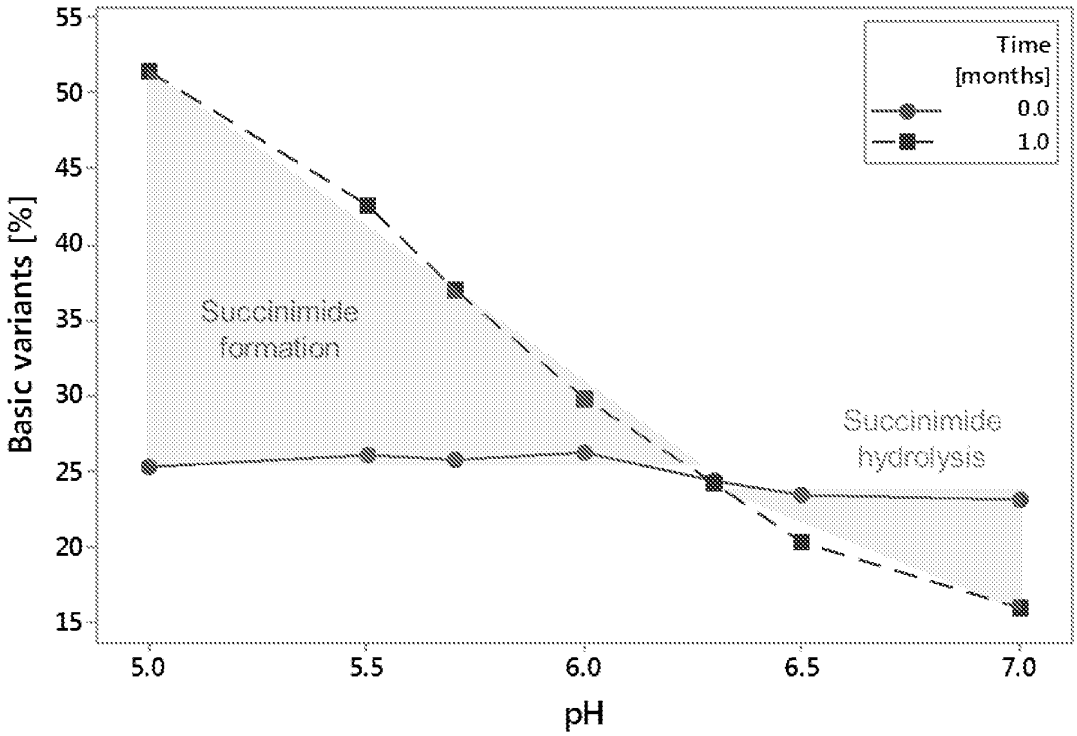

5 °C
25 °C
40 °C
A Phosphate, NaCl, pH 7
B Phosphate, Sucrose, pH 7
C Phosphate Sucrose pH7
D Phosphate Sucrose pH 7 50mg/mL
E Phosphate, Arginine, pH 7
F Histidine, Sucrose, pH 6
G Histidine, Sucrose, pH 6
H Histidine Sucrose pH 6 50mg/mL
I Histidine, Arginine pH 6
K Phosphate, Sucrose pH 6
L Citrate, Sucrose pH 6

Fig. 5


Basic variants [%]
55
50
45
40
35
30
25
20
15
5.0
5.5
6.0
6.5
7.0
pH
Time
[months]
0.0
1.0
Succinimide
formation
Succinimide
hydrolysis