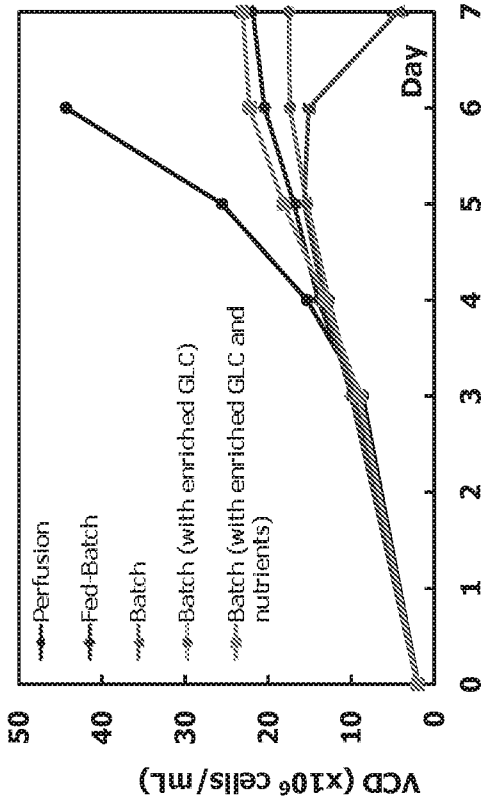


FIGURE 1A

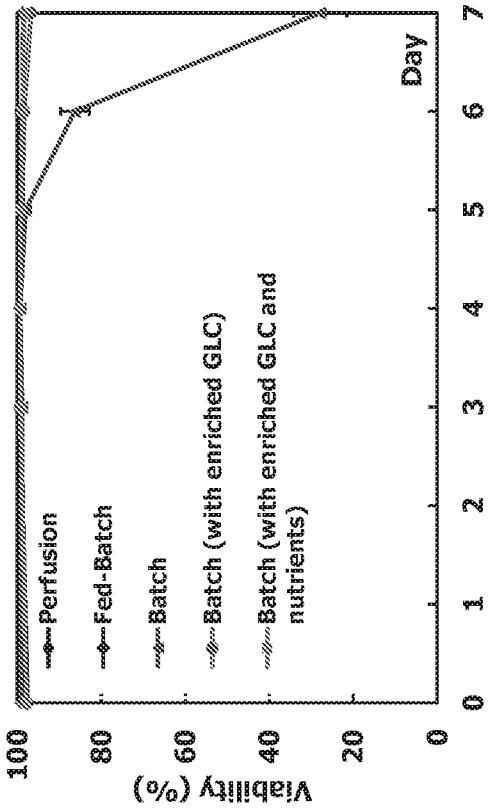


FIGURE 1B

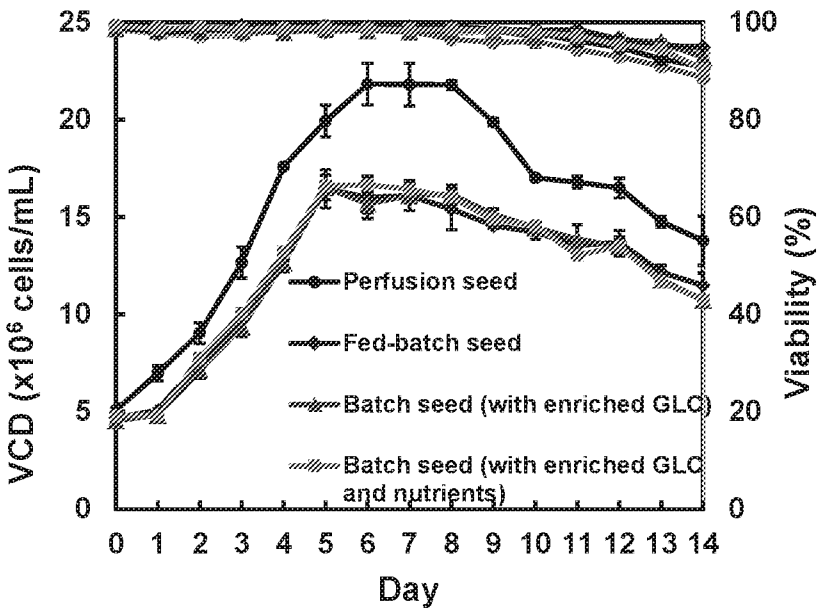


FIGURE 2A

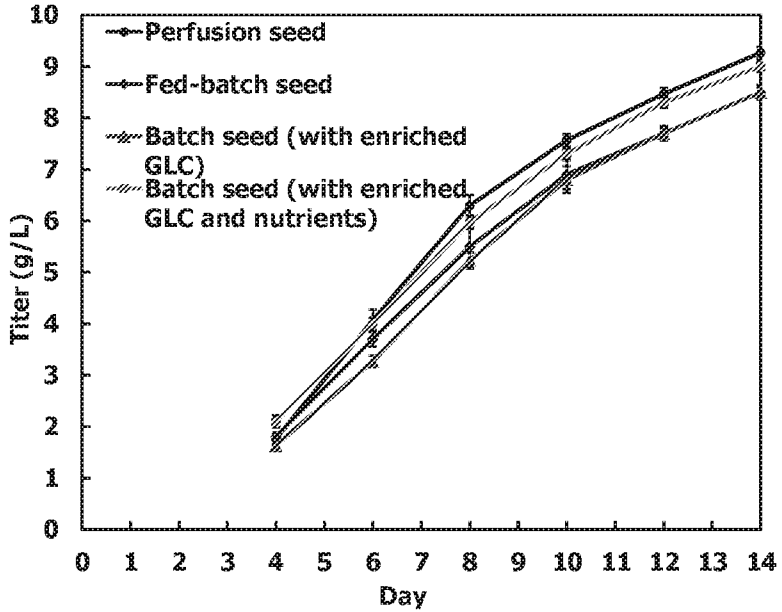


FIGURE 2B

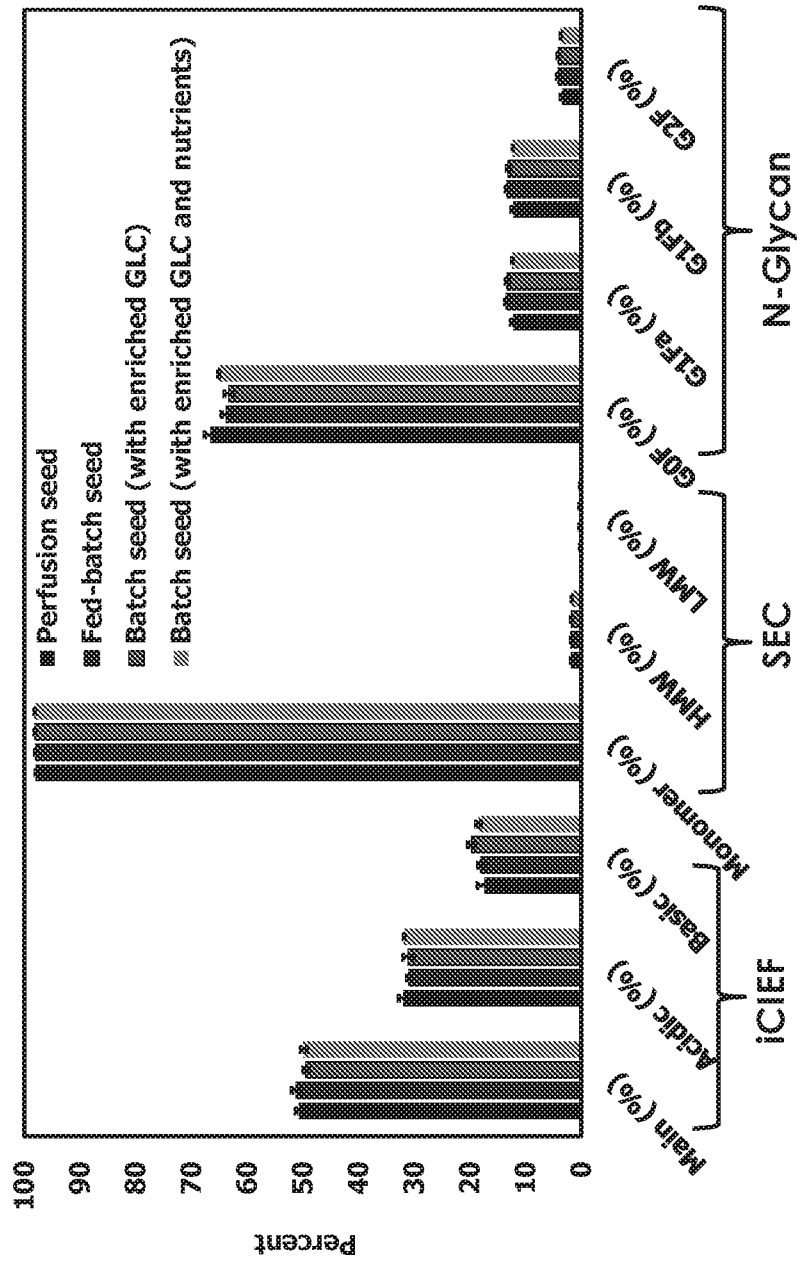

Perfusion seed
Fed-batch seed
Batch seed (with enriched GLC)
Batch seed (with enriched GLC and nutrients)
Percent
100
90
80
70
60
50
40
30
20
10
0
Main (%)
Acidic (%)
Basic (%)
Monomer (%)
HMW (%)
LMW (%)
G0F (%)
G1Fa (%)
G1Fb (%)
G2F (%)
iCIEF
SEC
N-Glycan

FIGURE 2C

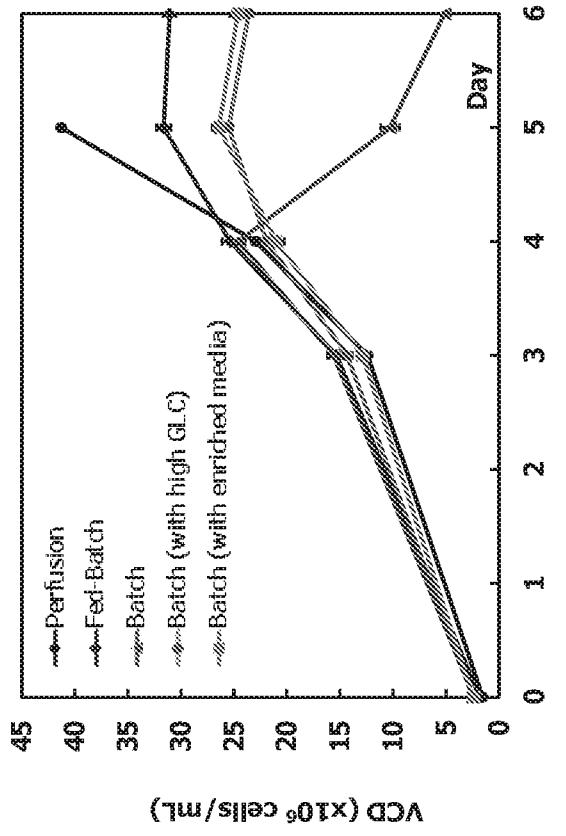


FIGURE 3A

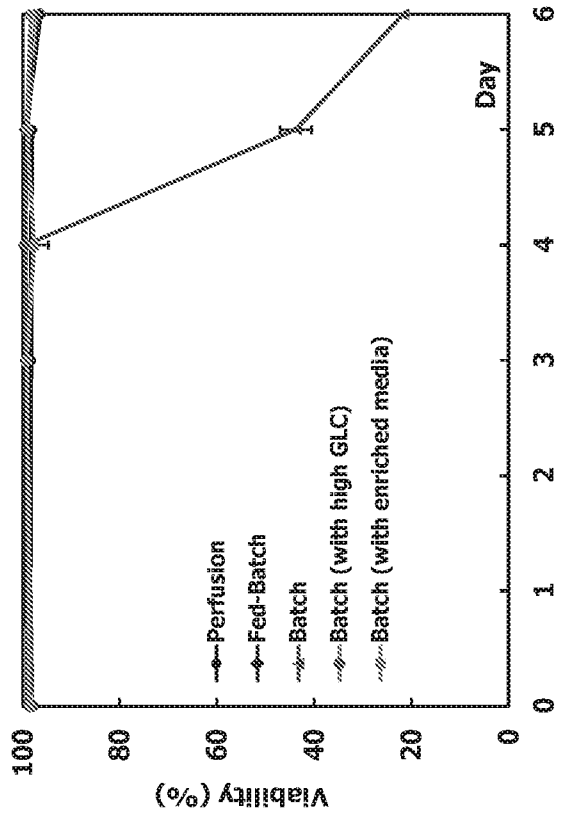


FIGURE 3B

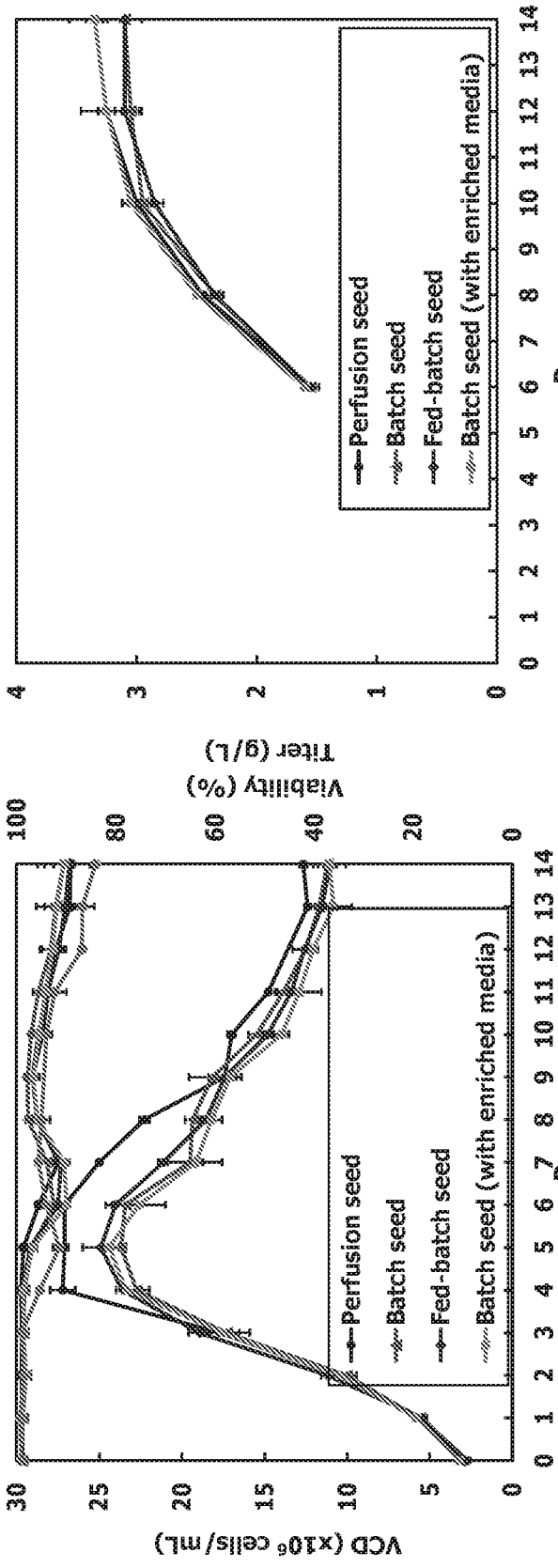


FIGURE 4A

FIGURE 4B

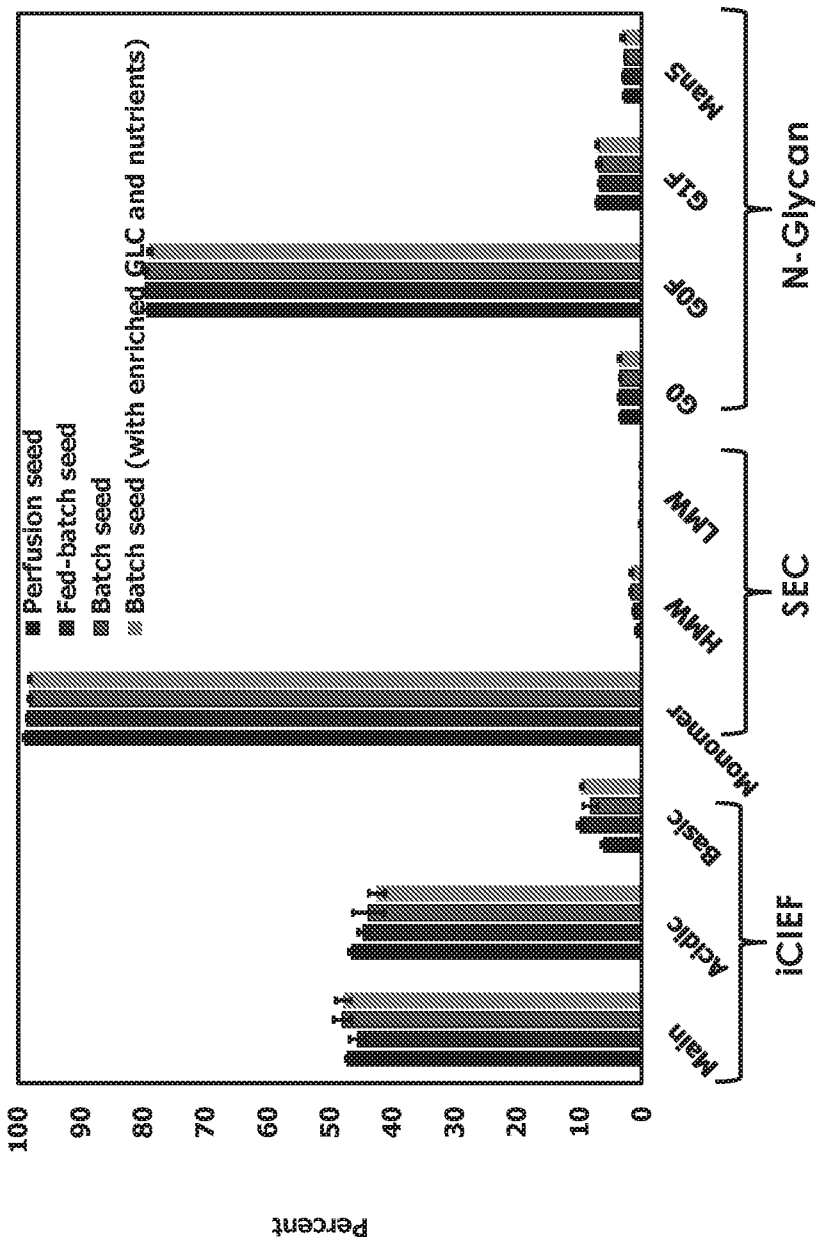

Perfusion seed
Fed-batch seed
Batch seed
Batch seed (with enriched GLC and nutrients)
Percent
100
90
80
70
60
50
40
30
20
10
0
Main
Acidic
Basic
Monomer
HMW
LMW
G0
G0F
G1F
Man5
iCIEF
SEC
N-Glycan

FIGURE 4C

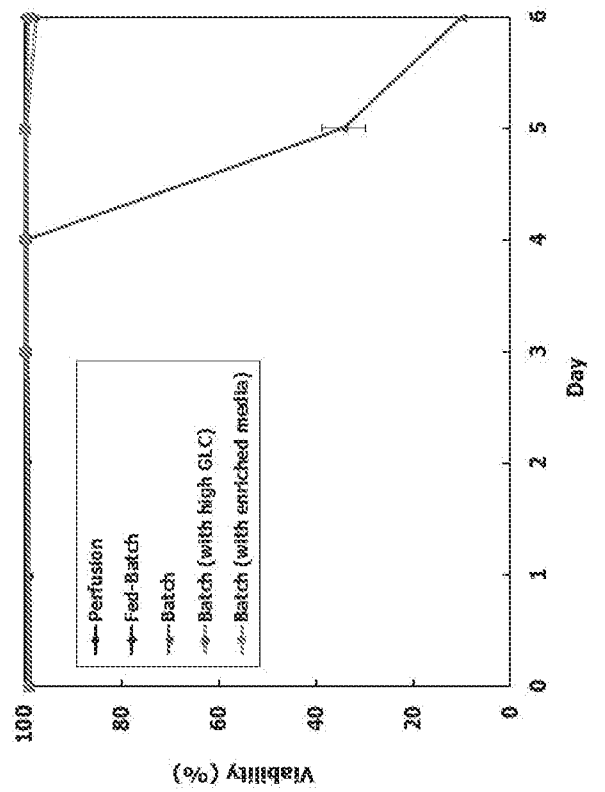


FIGURE 5B

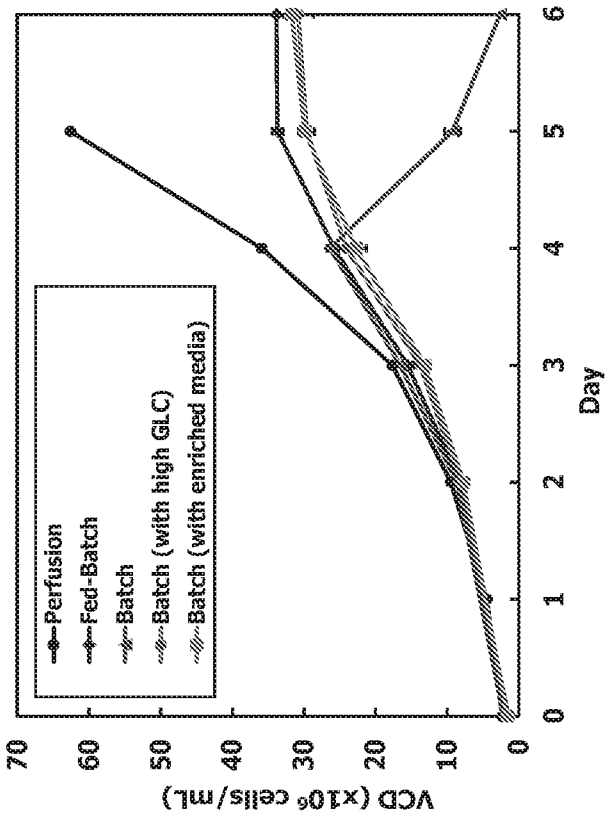


FIGURE 5A

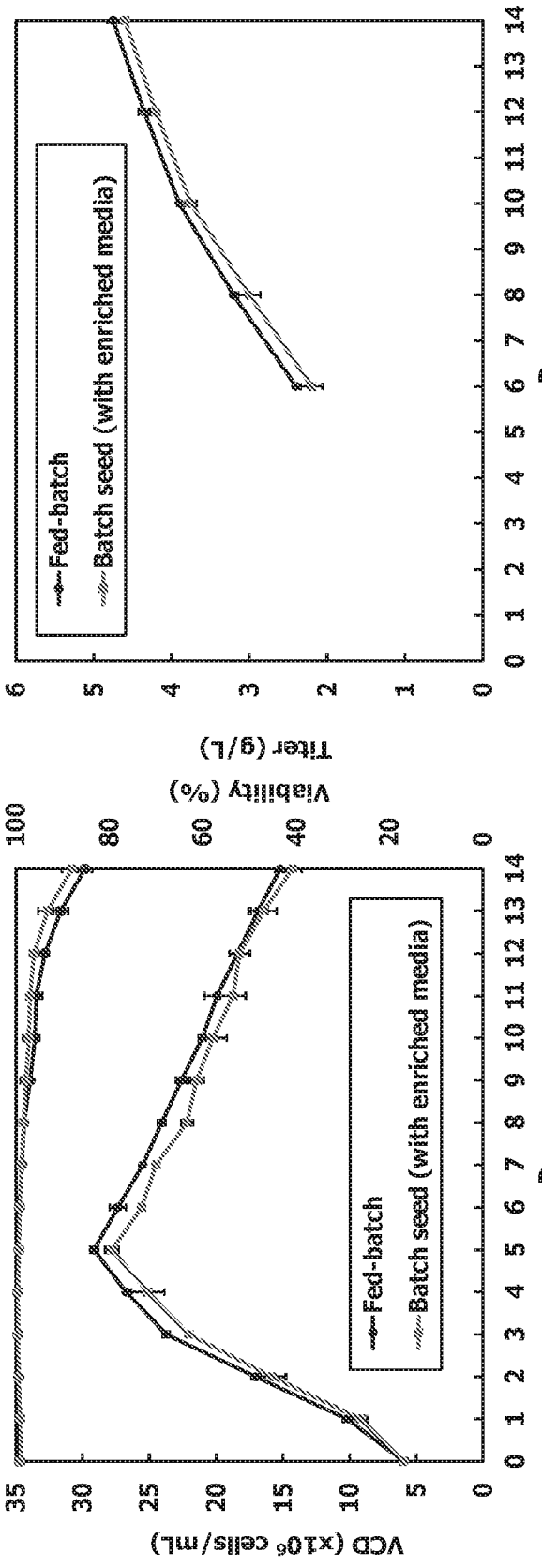


FIGURE 6A

FIGURE 6B

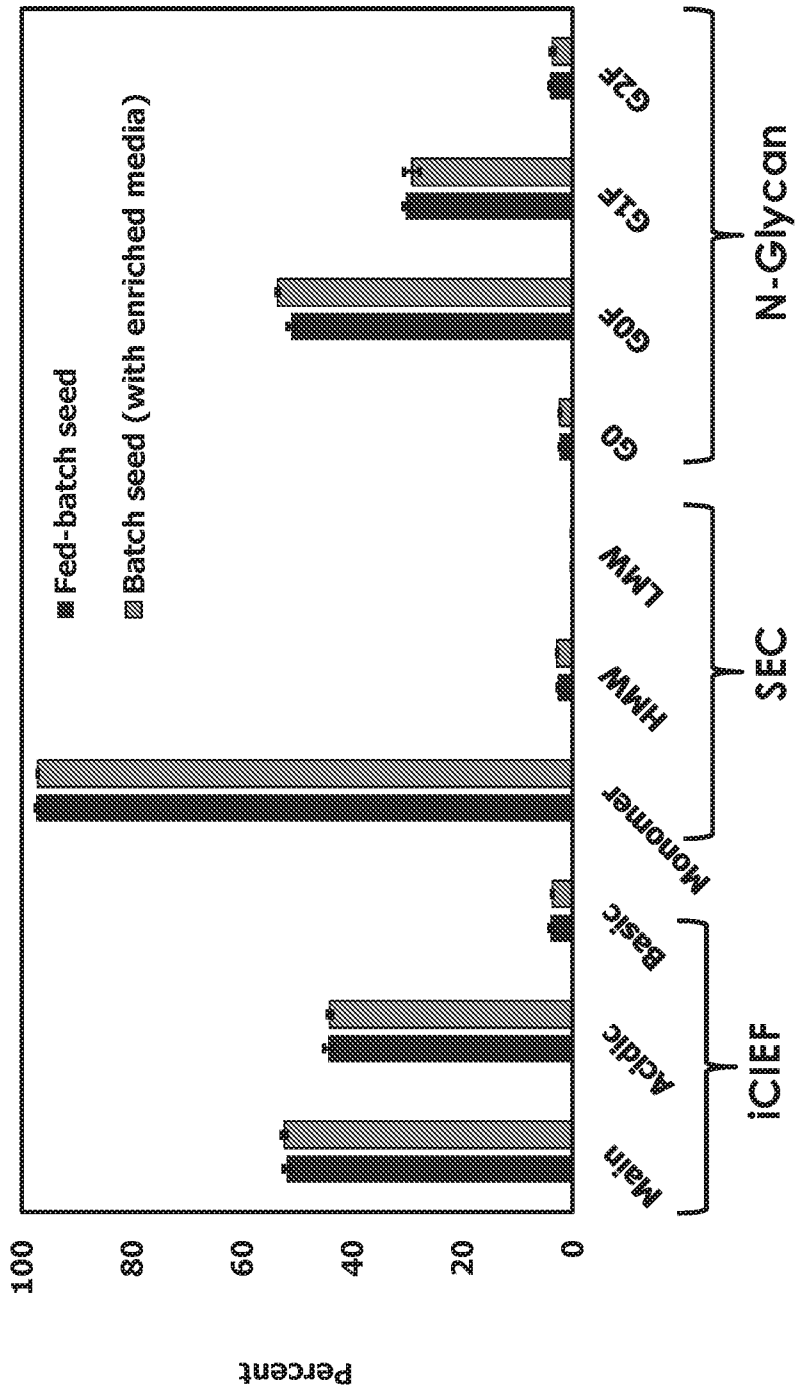

Fed-batch seed
Batch seed (with enriched media)
Percent
100
80
60
40
20
0
Main
Acidic
Basic
Monomer
HMW
LMW
G0
G0F
G1F
G2F
iCIEF
SEC
N-Glycan

FIGURE 6C

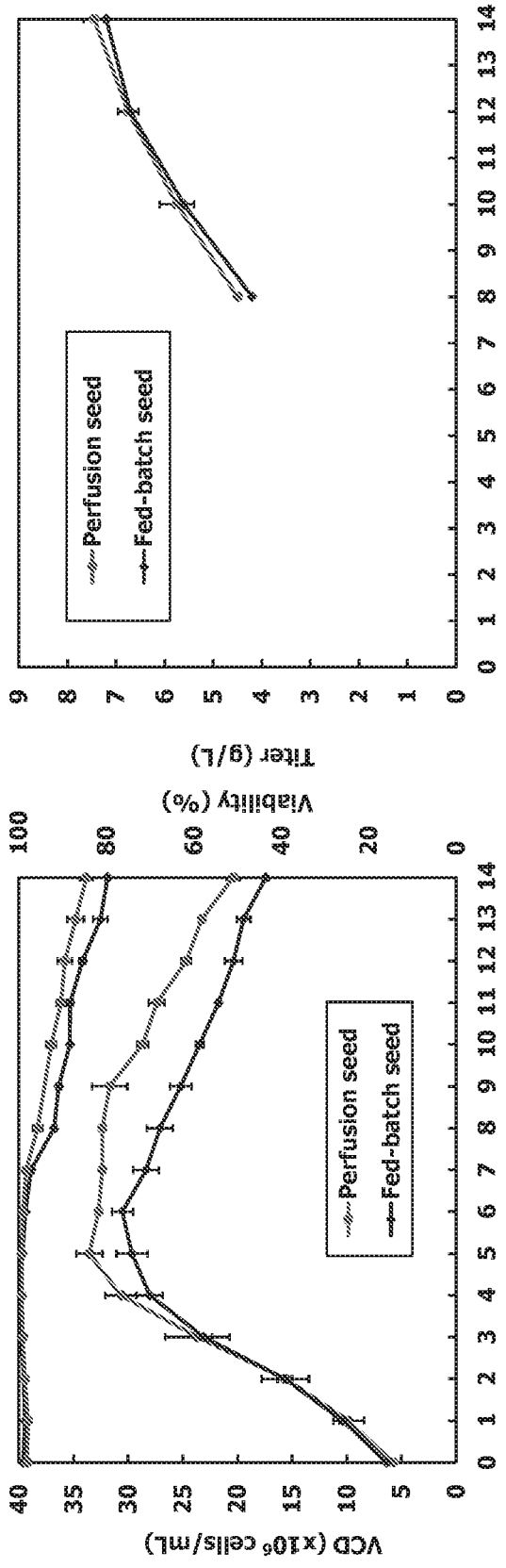


FIGURE 7A

FIGURE 7B

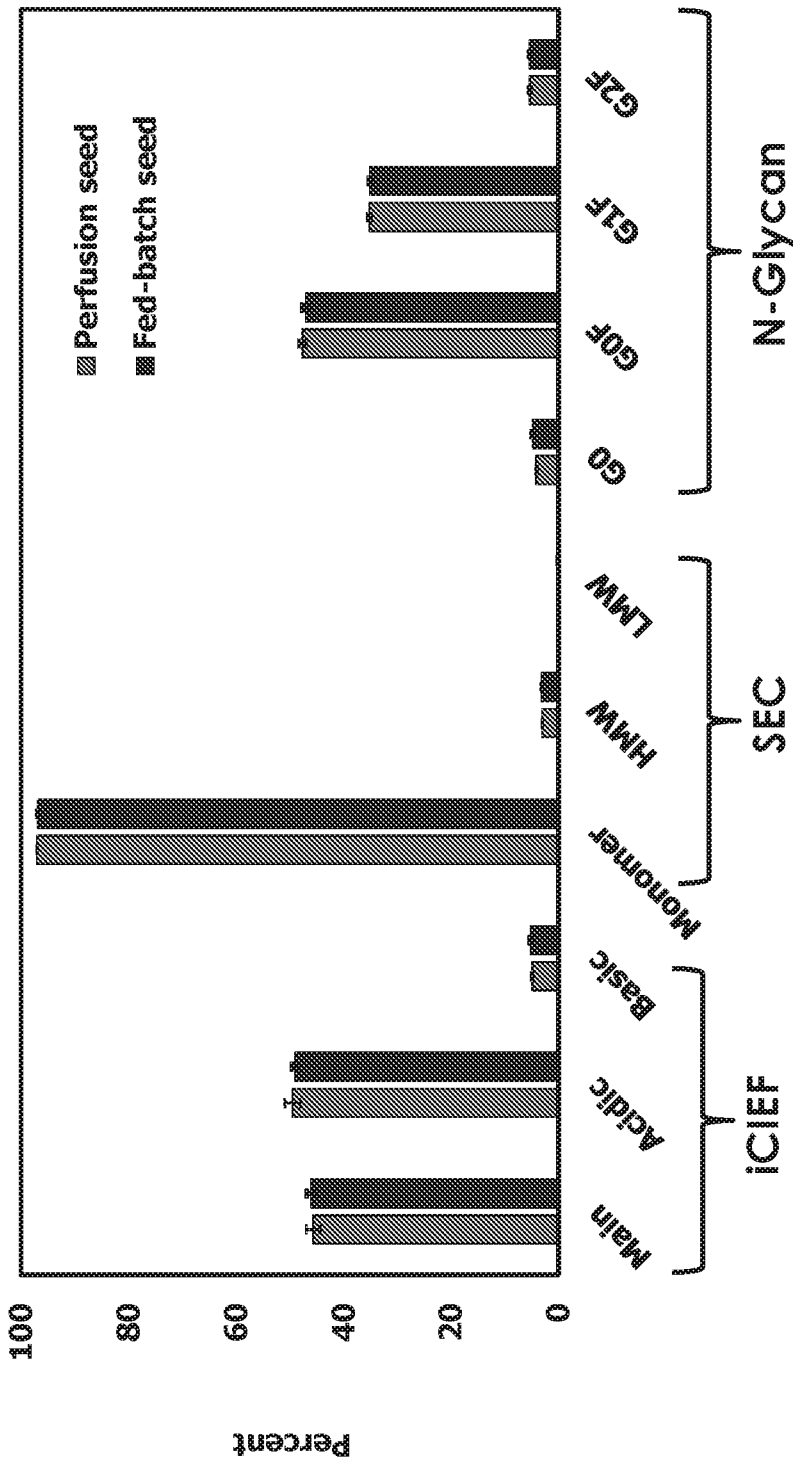

Perfusion seed
Fed-batch seed
Percent
100
80
60
40
20
0
Main
Acidic
Basic
Monomer
HMW
LMW
G0
G0F
G1F
G2F
iCIEF
SEC
N-Glycan

FIGURE 7C

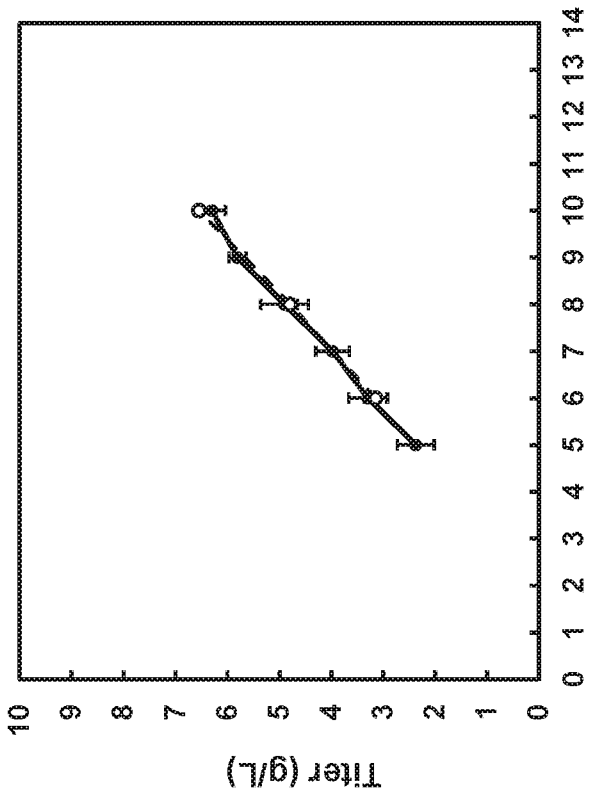


FIGURE 8B

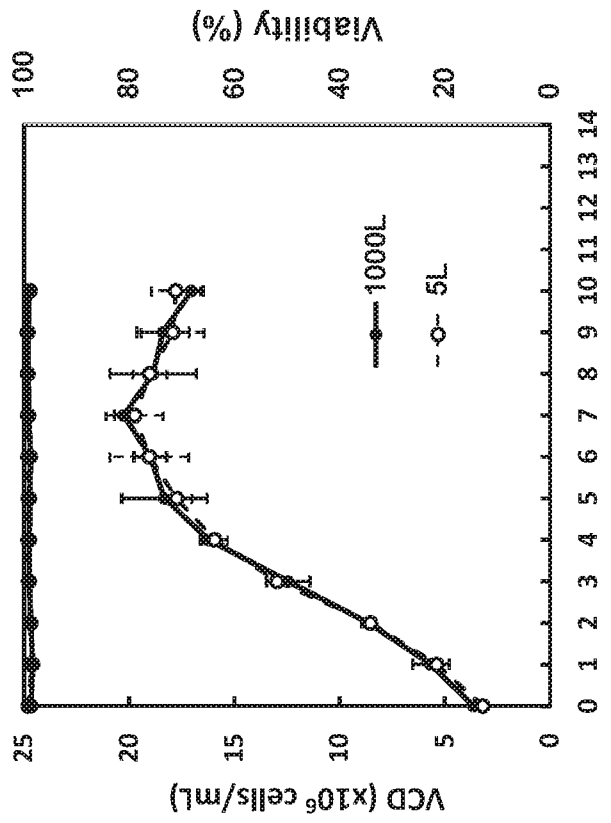


FIGURE 8A

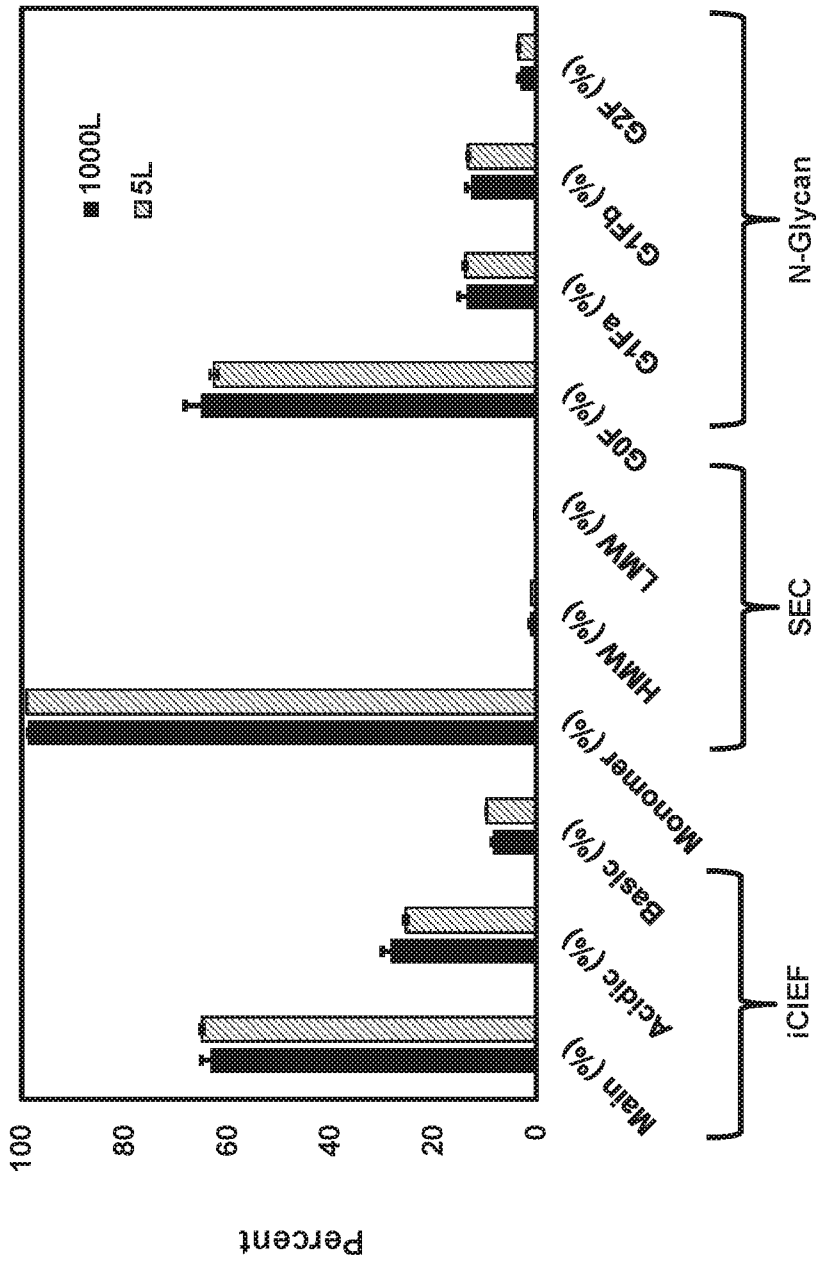

1000L
5L
Percent
100
80
60
40
20
0
Main (%)
Acidic (%)
Basic (%)
Monomer (%)
HMW (%)
LMW (%)
G0F (%)
G1Fa (%)
G1Fb (%)
G2F (%)
iCIEF
SEC
N-Glycan

FIGURE 8C

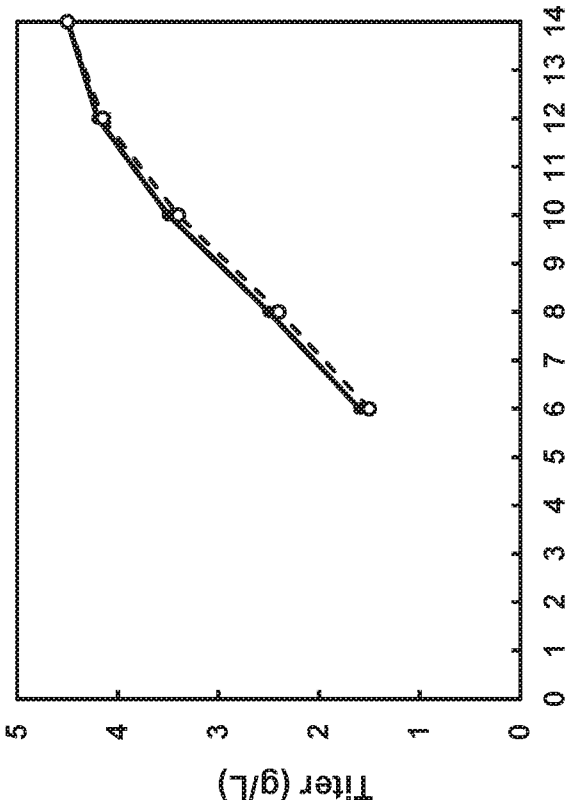


FIGURE 9B

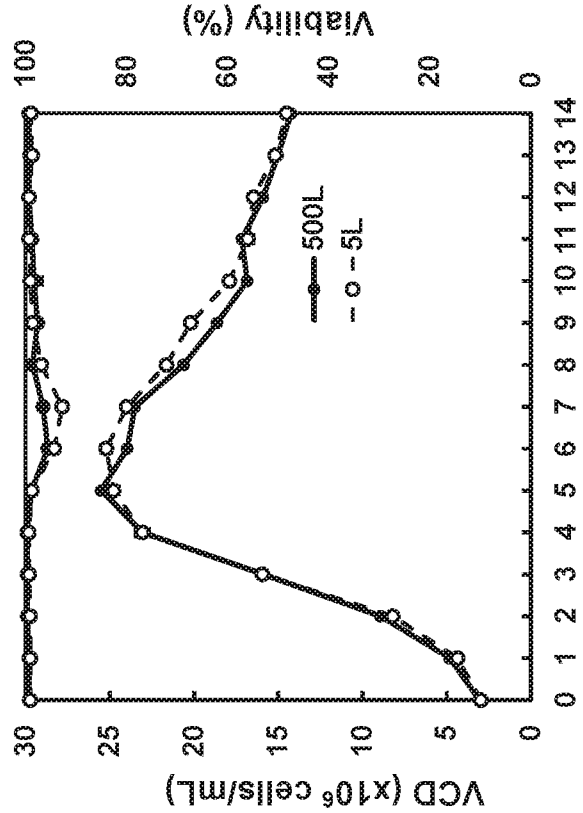


FIGURE 9A

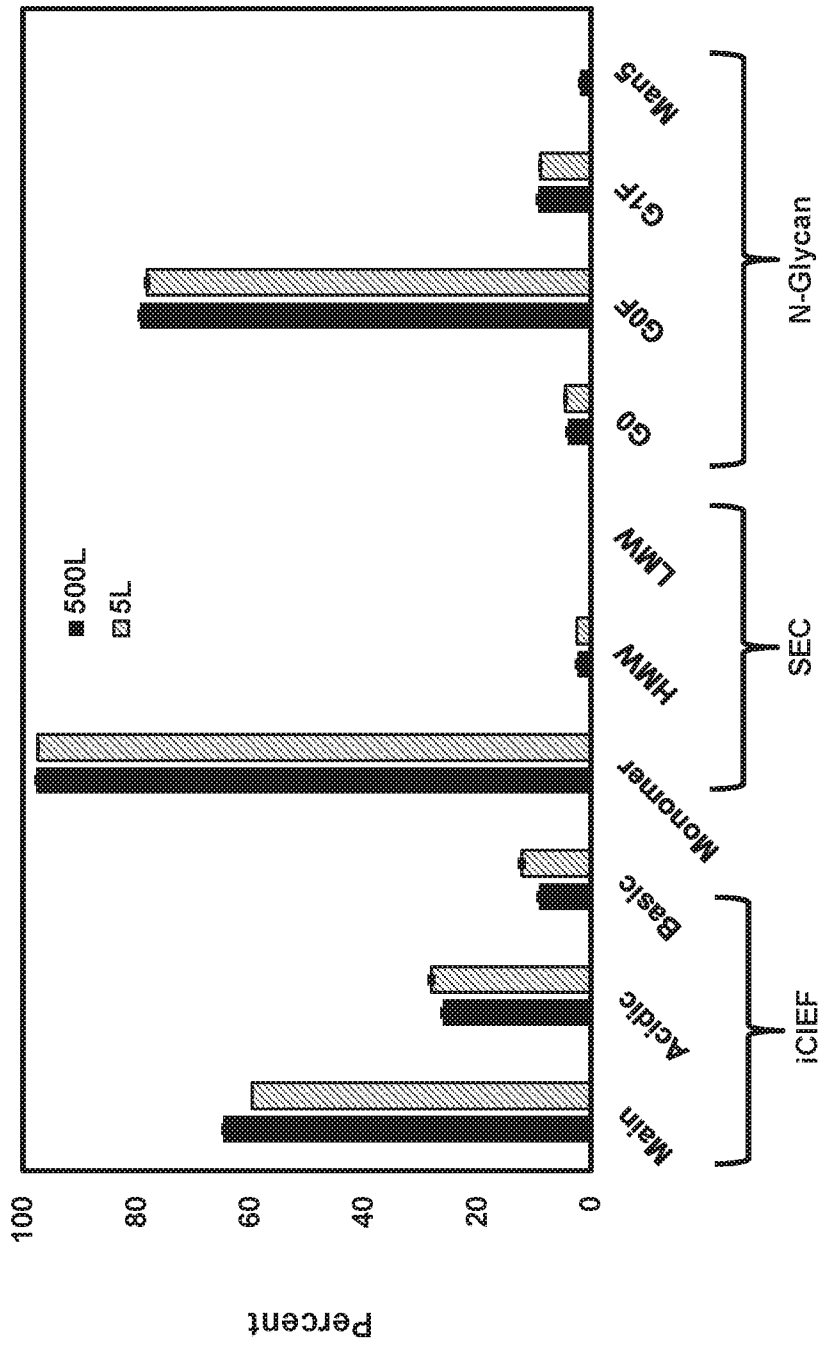

Percent
100
80
60
40
20
0
500L
5L
Main
Acidic
Basic
Monomer
HMW
LMW
G0
G0F
G1F
Man5
iCIEF
SEC
N-Glycan

FIGURE 9C

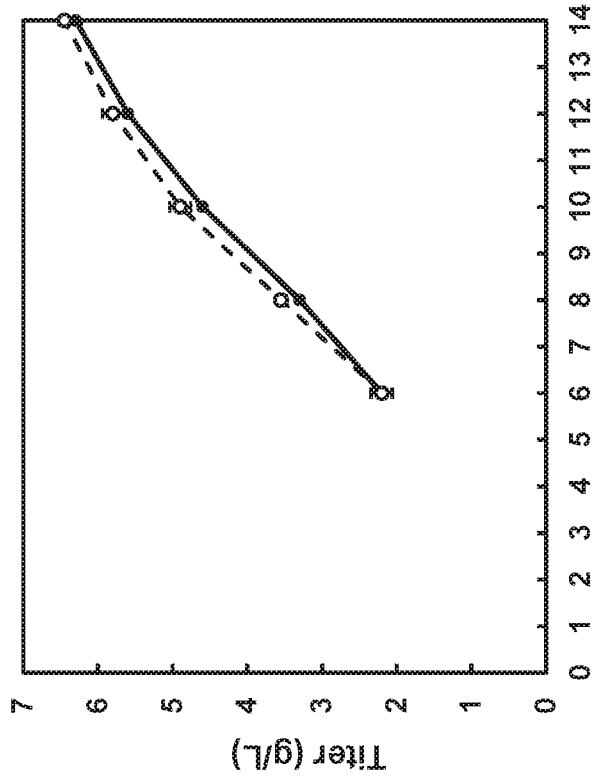


FIGURE 10B

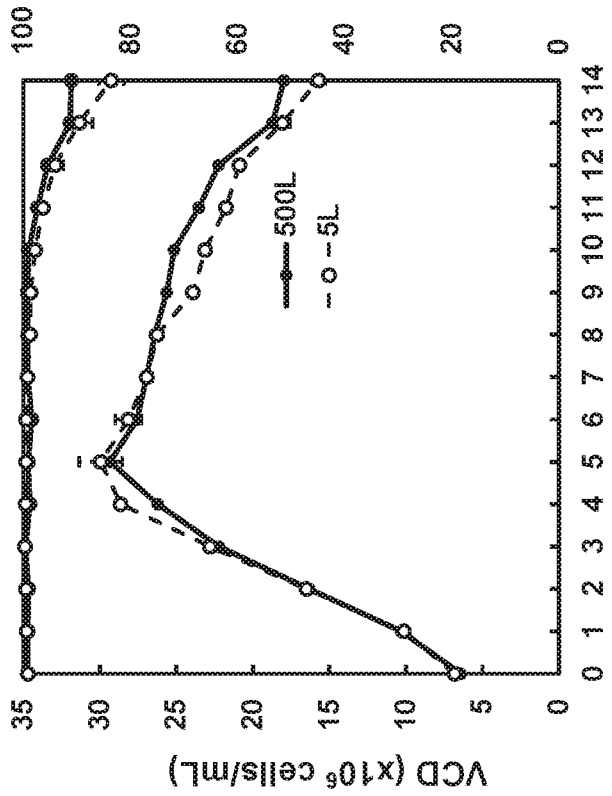


FIGURE 10A

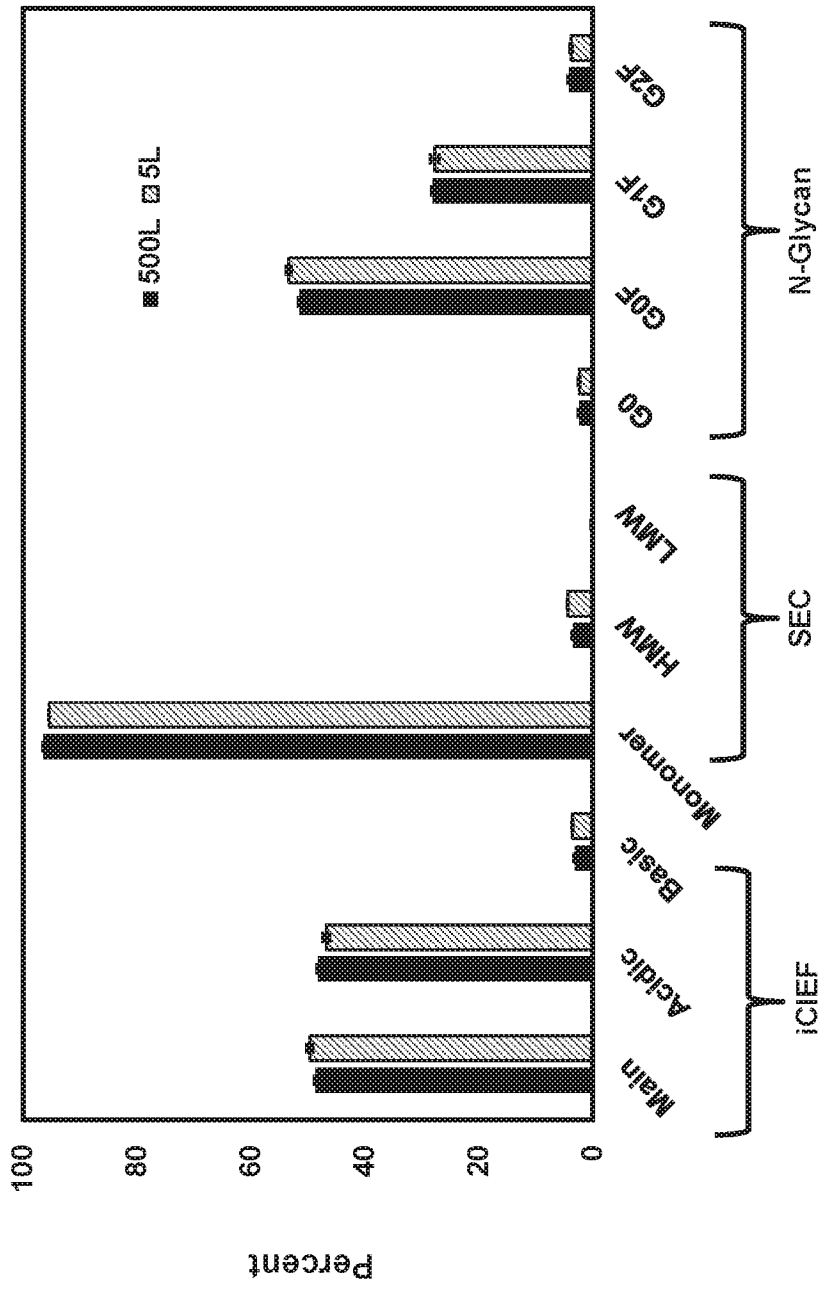

500L
5L
Percent
100
80
60
40
20
0
Main
Acidic
Basic
Monomer
HMW
LMW
G0
G0F
G1F
G2F
iCIEF
SEC
N-Glycan

FIGURE 10C