FIGURE 1

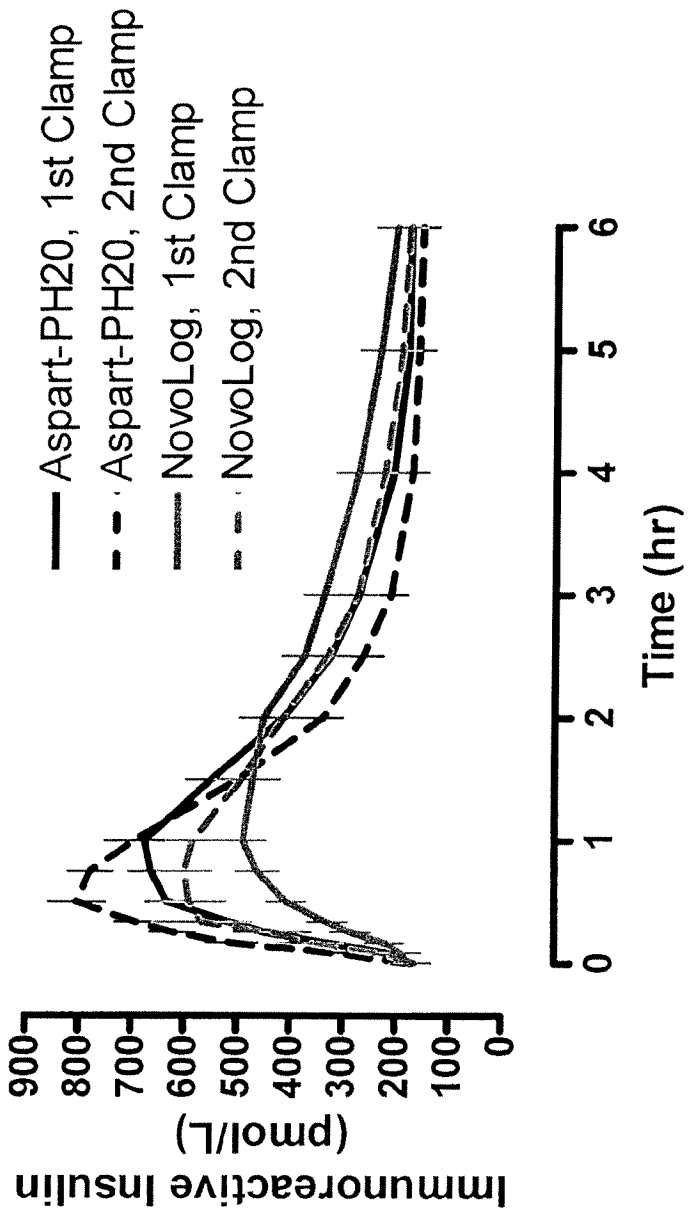

PK
Aspart-PH20, 1st Clamp
Aspart-PH20, 2nd Clamp
NovoLog, 1st Clamp
NovoLog, 2nd Clamp
Immunoreactive Insulin (pmol/L)
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
Time (hr)

FIGURE 2

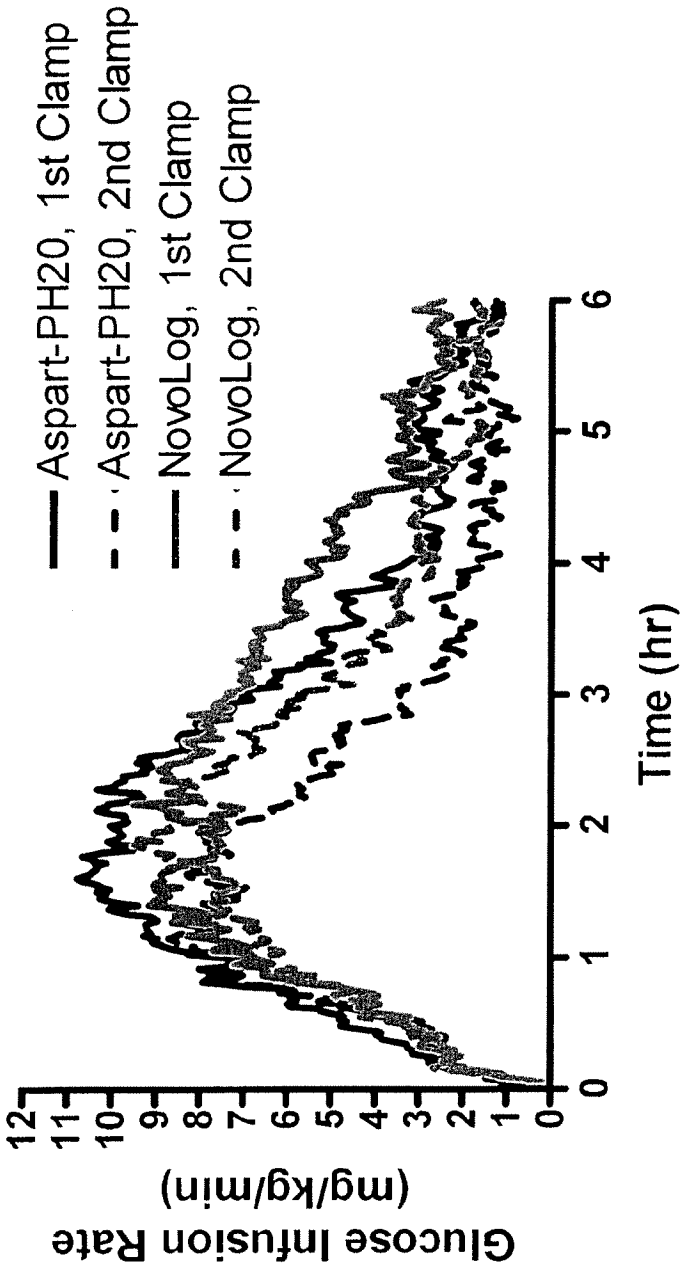

GIR
Aspart-PH20, 1st Clamp
Aspart-PH20, 2nd Clamp
NovoLog, 1st Clamp
NovoLog, 2nd Clamp
Glucose Infusion Rate
(mg/kg/min)
Time (hr)
0
1
2
3
4
5
6
0
1
2
3
4
5
6
7
8
9
10
11
12

FIGURE 3

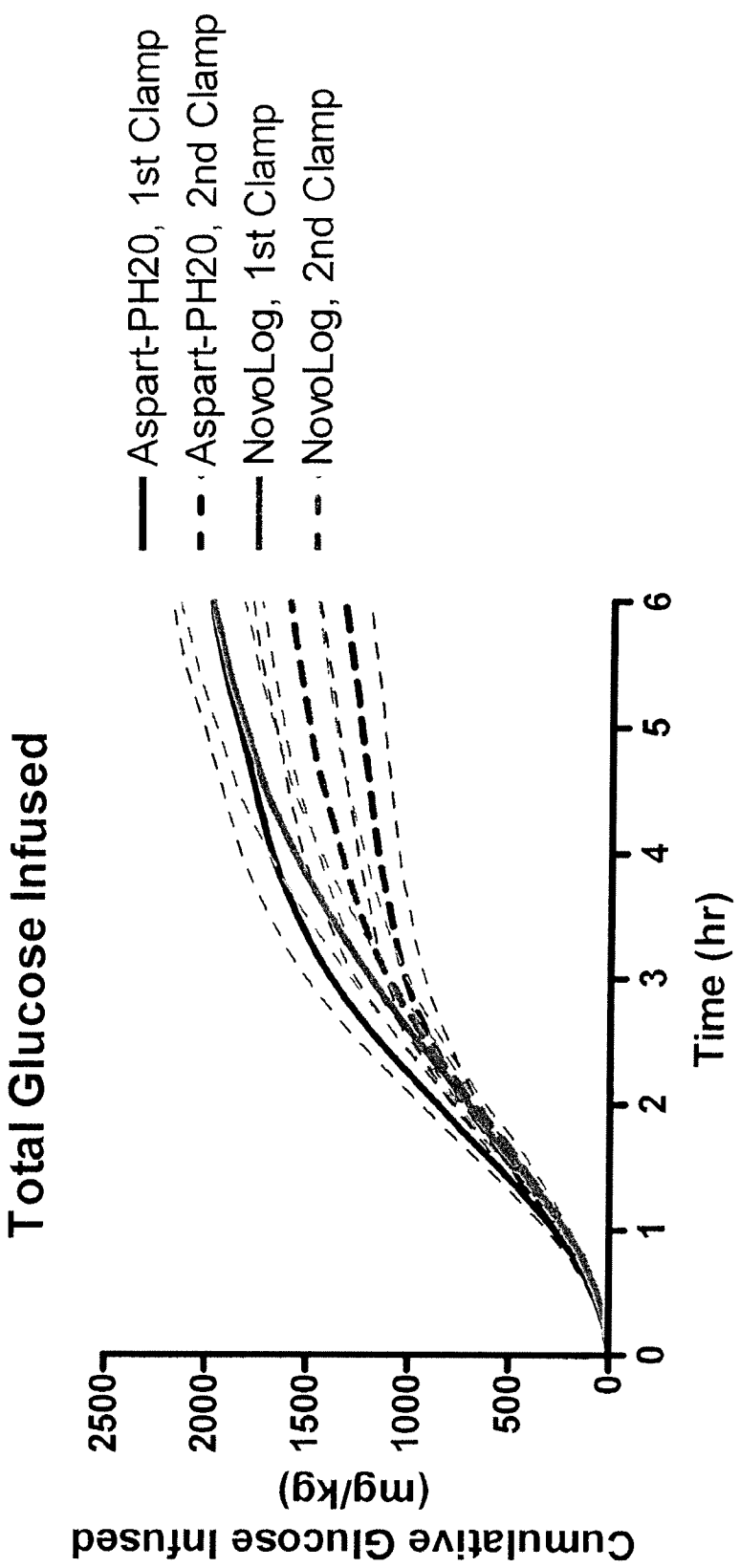

Total Glucose Infused
Aspart-PH20, 1st Clamp
Aspart-PH20, 2nd Clamp
NovoLog, 1st Clamp
NovoLog, 2nd Clamp
Cumulative Glucose Infused (mg/kg)
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
Time (hr)

FIGURE 4

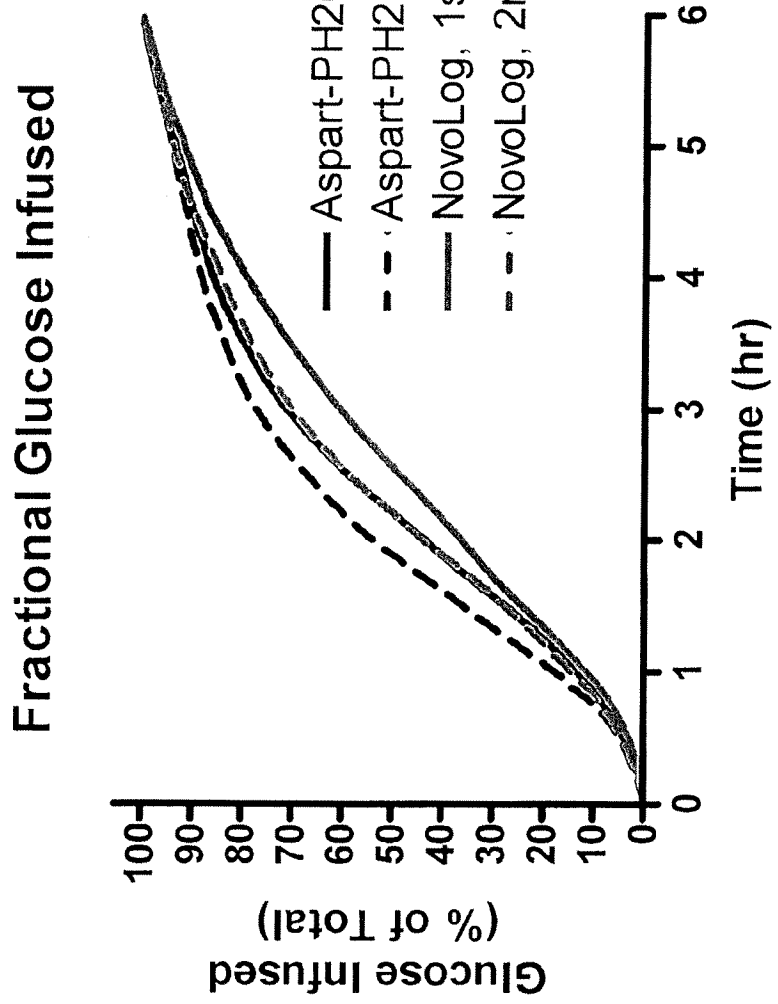

Fractional Glucose Infused
Glucose Infused
(% of Total)
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
Time (hr)
Aspart-PH20, 1st Clamp
Aspart-PH20, 2nd Clamp
NovoLog, 1st Clamp
NovoLog, 2nd Clamp

FIGURE 5

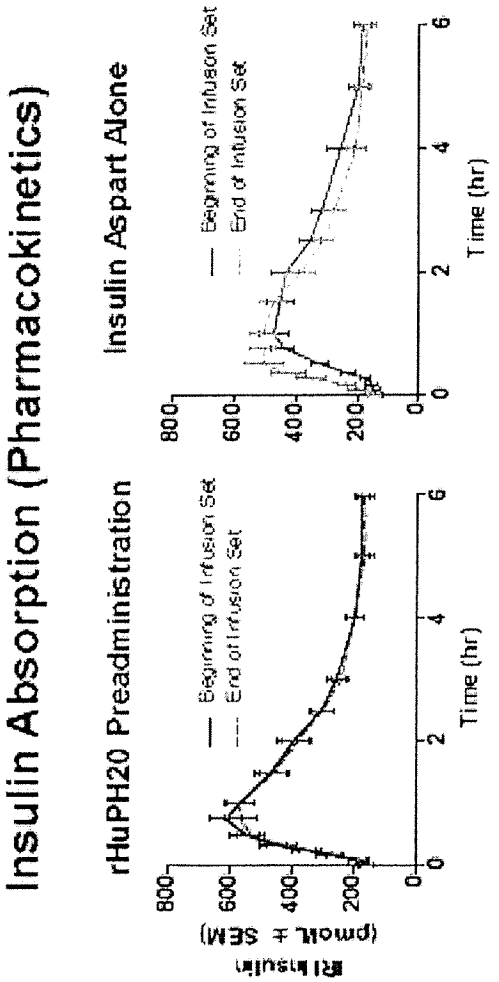
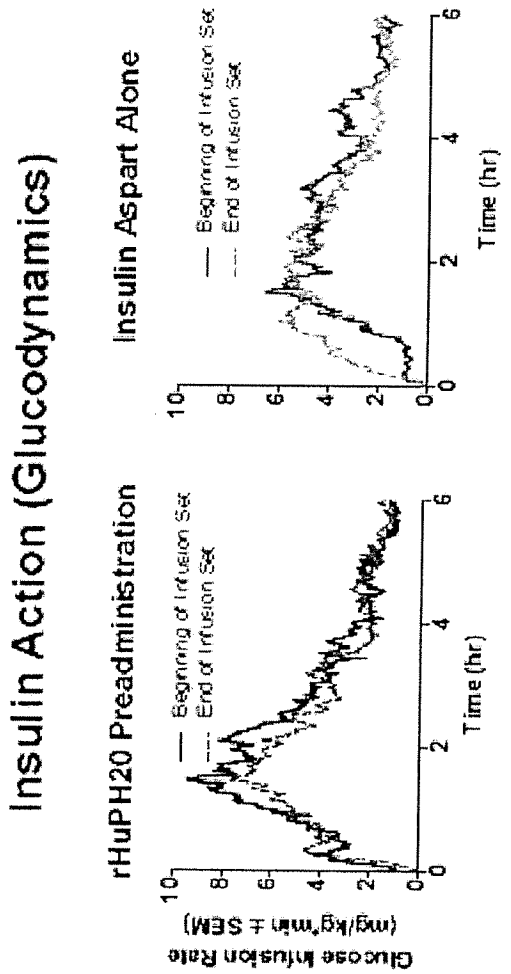

Insulin Absorption (Pharmacokinetics)
rHuPH20 Preadministration
Insulin Aspart Alone
Beginning of Infusion Set
End of Infusion Set
RI Insulin (pmol/L ± SEM)
Time (hr)
800
600
400
200
0
2
4
6

FIGURE 6


Insulin Action (Glucodynamics)
rHuPH20 Preadministration
Insulin Aspart Alone
Beginning of Infusion Set
End of Infusion Set
Glucose Infusion Rate
(mg/kg*min ± SEM)
Time (hr)
0
2
4
6
8
10