Figure 1

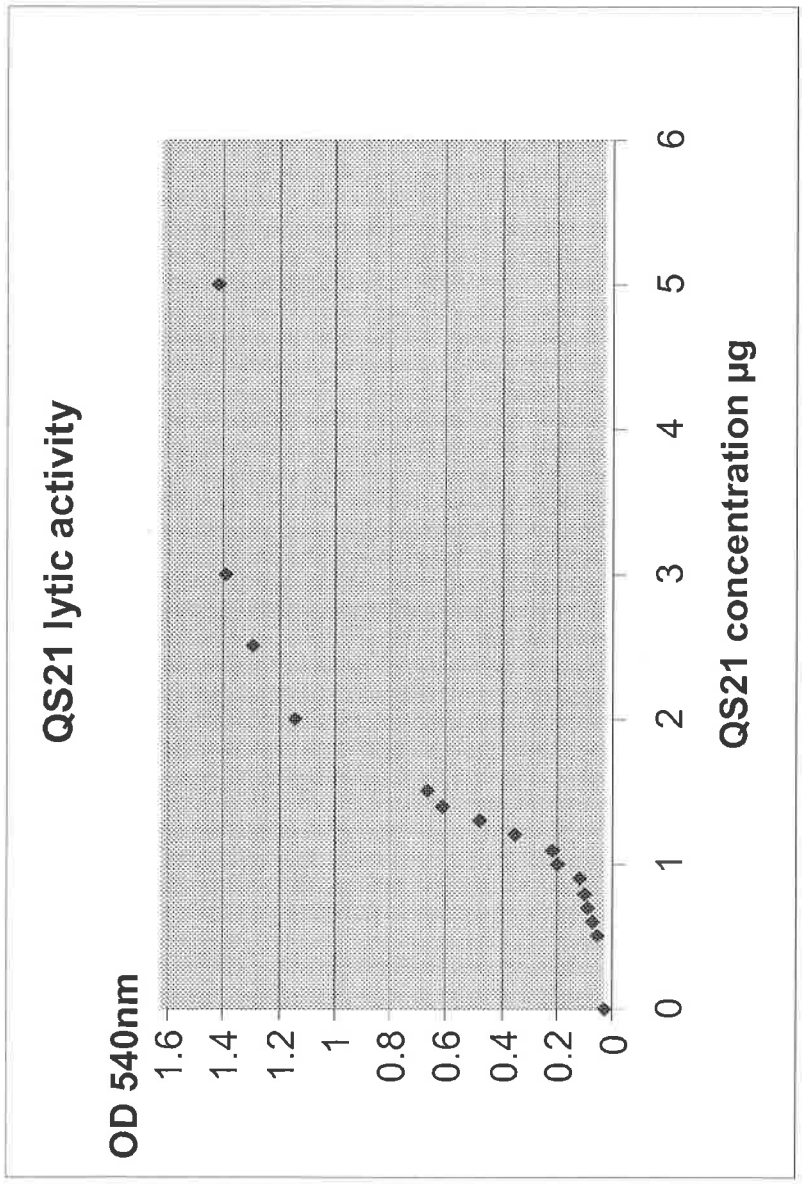

QS21 lytic activity
OD 540nm
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
6
QS21 concentration µg

Figure 2

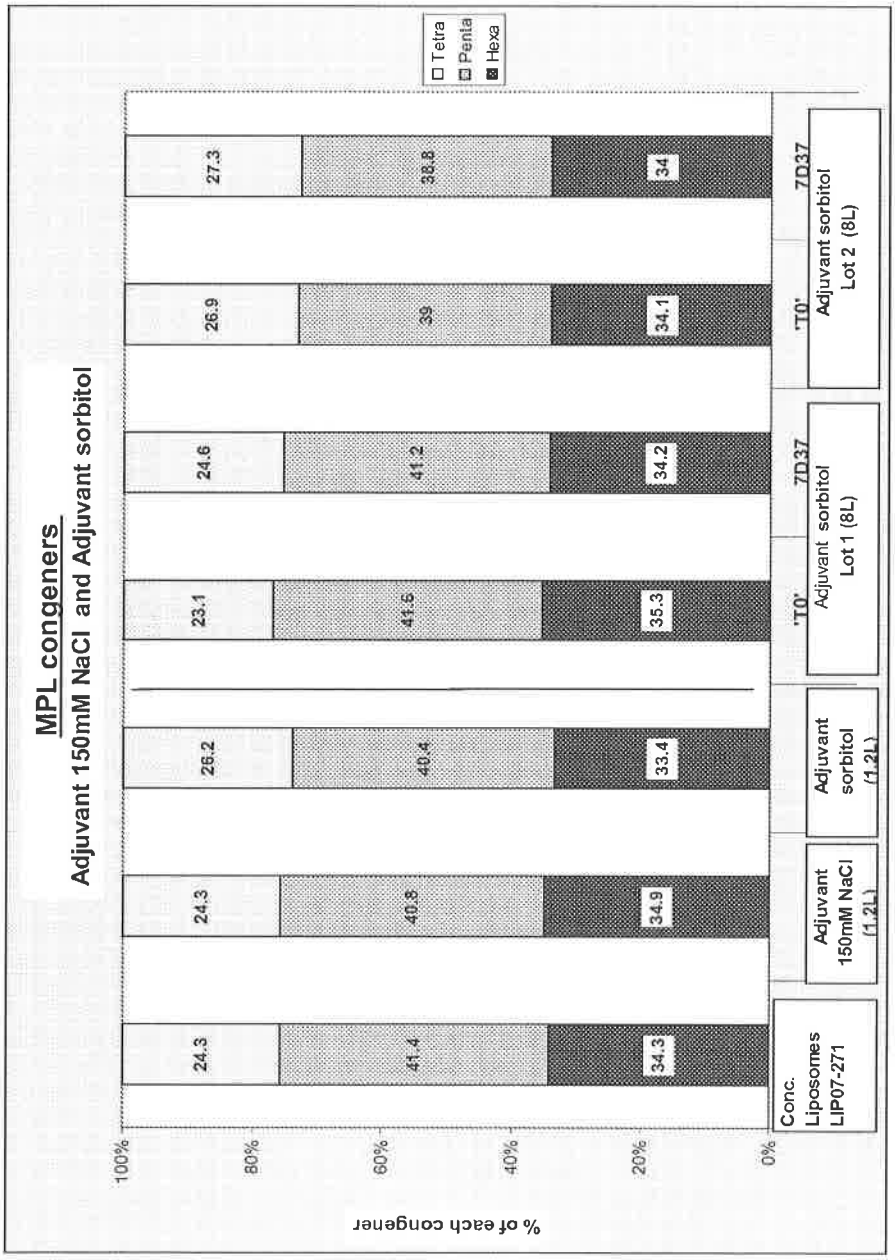

MPL congeners
Adjuvant 150mM NaCl and Adjuvant sorbitol
Tetra
Penta
Hexa
% of each congener
100%
80%
60%
40%
20%
0%
24.3
41.4
34.3
24.3
40.8
34.9
26.2
40.4
33.4
23.1
41.5
35.3
24.6
41.2
34.2
26.9
39
34.1
27.3
38.8
34
Conc. Liposomes LIP07-271
Adjuvant 150mM NaCl (1.2L)
Adjuvant sorbitol (1.2L)
T0'
Adjuvant sorbitol Lot 1 (8L)
7D37
T0'
Adjuvant sorbitol Lot 2 (8L)
7D37

Figure 3

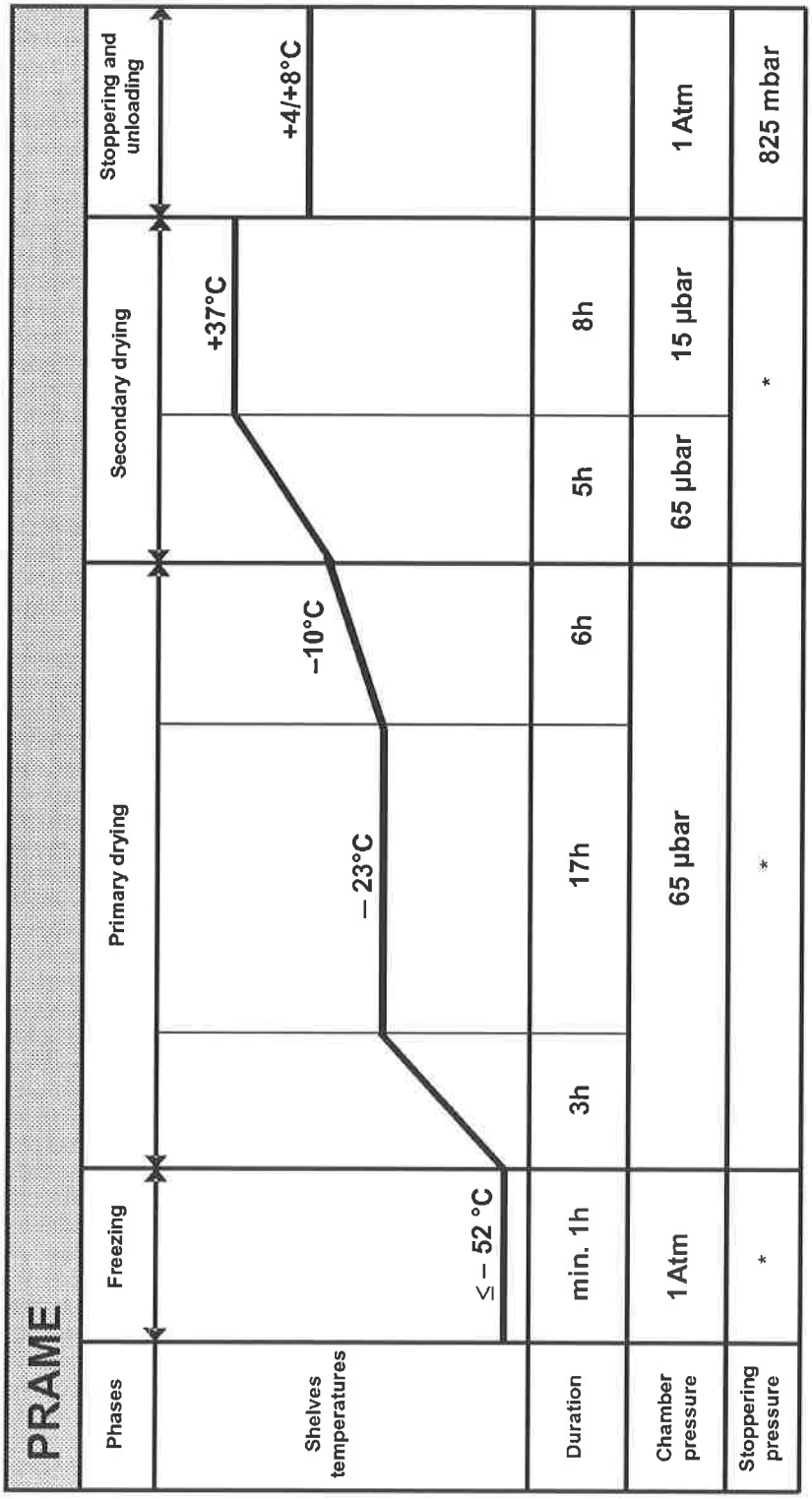

PRAME
Phases
Freezing
Primary drying
Secondary drying
Stoppering and unloading
Shelves temperatures
≤ – 52 °C
– 23°C
–10°C
+37°C
+4/+8°C
Duration
min. 1h
3h
17h
6h
5h
8h
Chamber pressure
1 Atm
65 µbar
65 µbar
15 µbar
1 Atm
Stoppering pressure
*
*
*
*
825 mbar

Figure 4

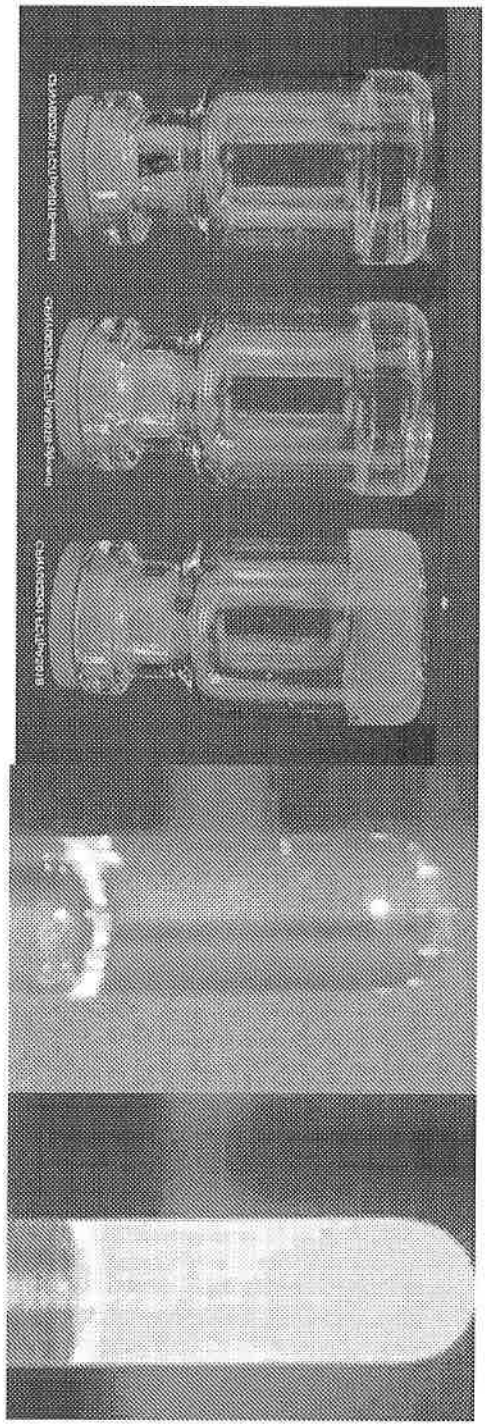


Figure 5

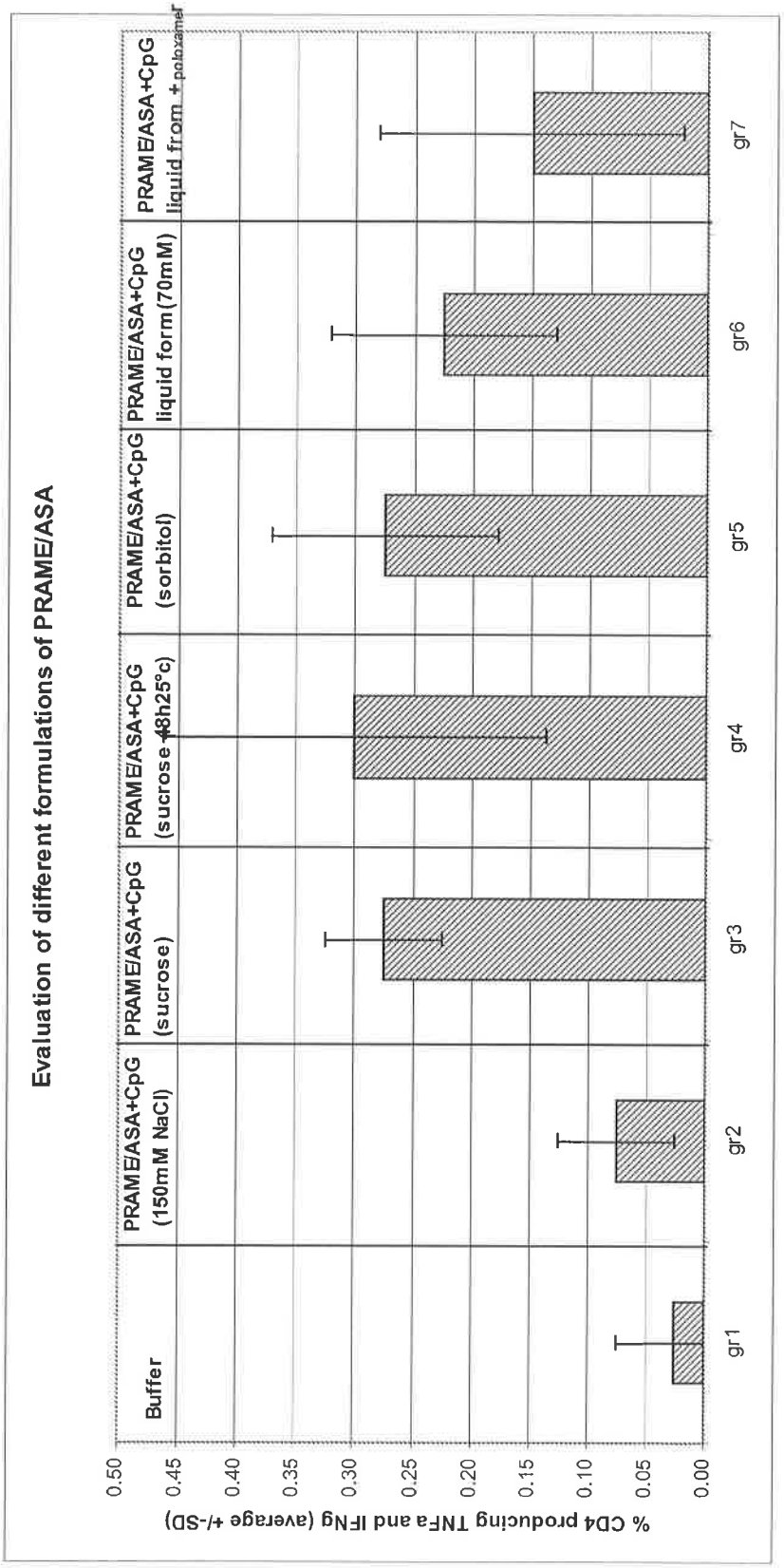

Evaluation of different formulations of PRAME/ASA
% CD4 producing TNFa and IFNg (average +/-SD)
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Buffer
PRAME/ASA+CpG (150mM NaCl)
PRAME/ASA+CpG (sucrose)
PRAME/ASA+CpG (sucrose 48h25°c)
PRAME/ASA+CpG (sorbitol)
PRAME/ASA+CpG liquid form(70mM)
PRAME/ASA+CpG liquid from + poloxamer
gr1
gr2
gr3
gr4
gr5
gr6
gr7

Figure 6

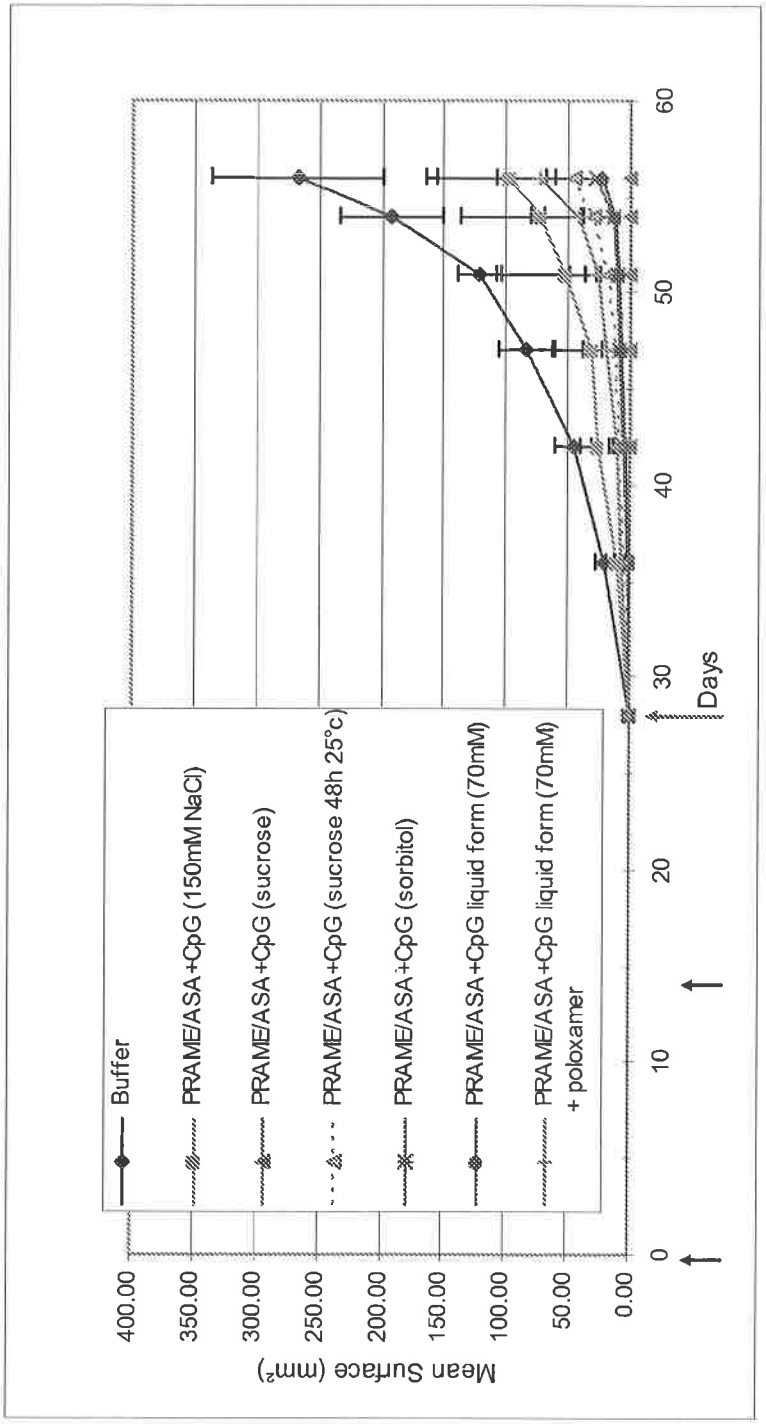

Mean Surface (mm²)
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
0
10
20
30
40
50
60
Days
Buffer
PRAME/ASA+CpG (150mM NaCl)
PRAME/ASA+CpG (sucrose)
PRAME/ASA+CpG (sucrose 48h 25°c)
PRAME/ASA+CpG (sorbitol)
PRAME/ASA+CpG liquid form (70mM)
PRAME/ASA+CpG liquid form (70mM) + poloxamer

Figure 7

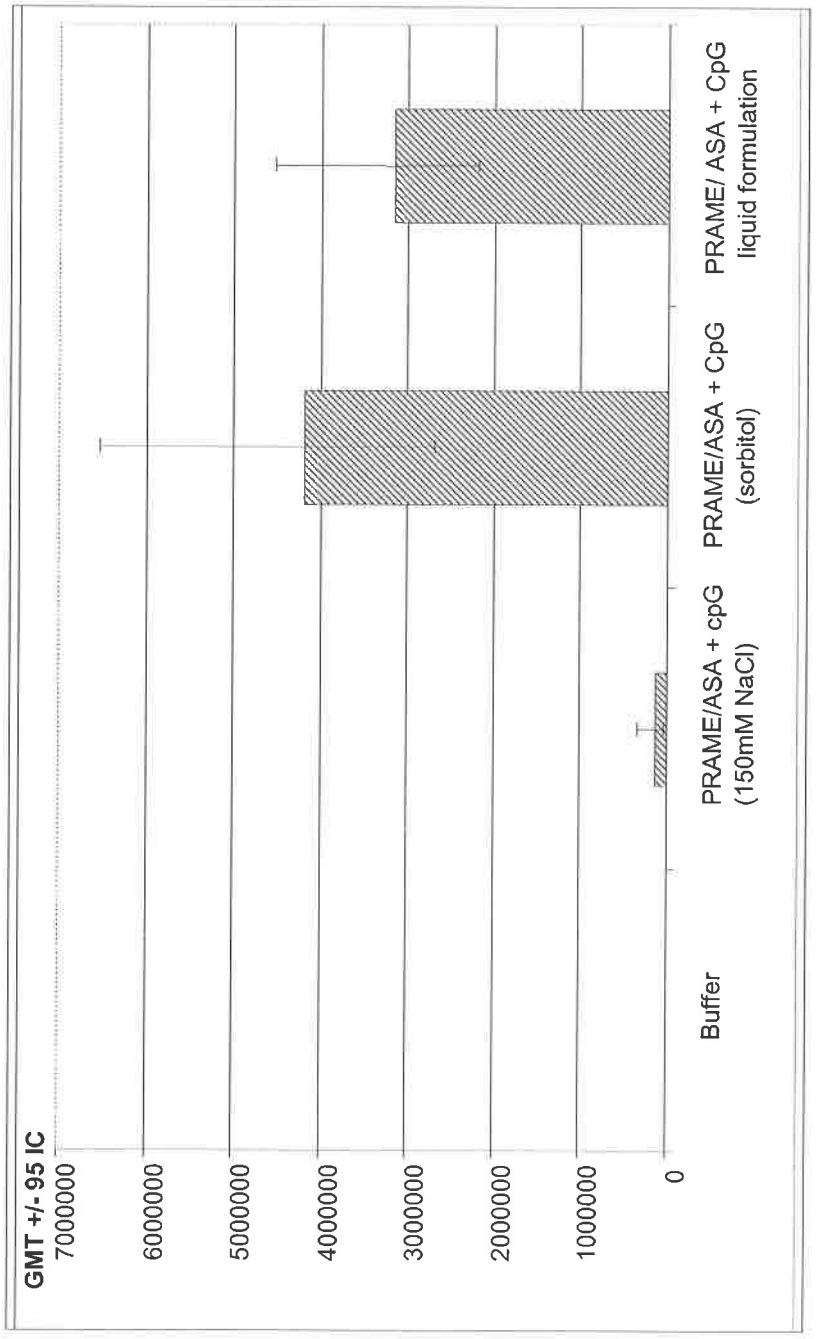

GMT +/- 95 IC
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
Buffer
PRAME/ASA + cpG (150mM NaCl)
PRAME/ASA + CpG (sorbitol)
PRAME/ ASA + CpG liquid formulation

Figure 8

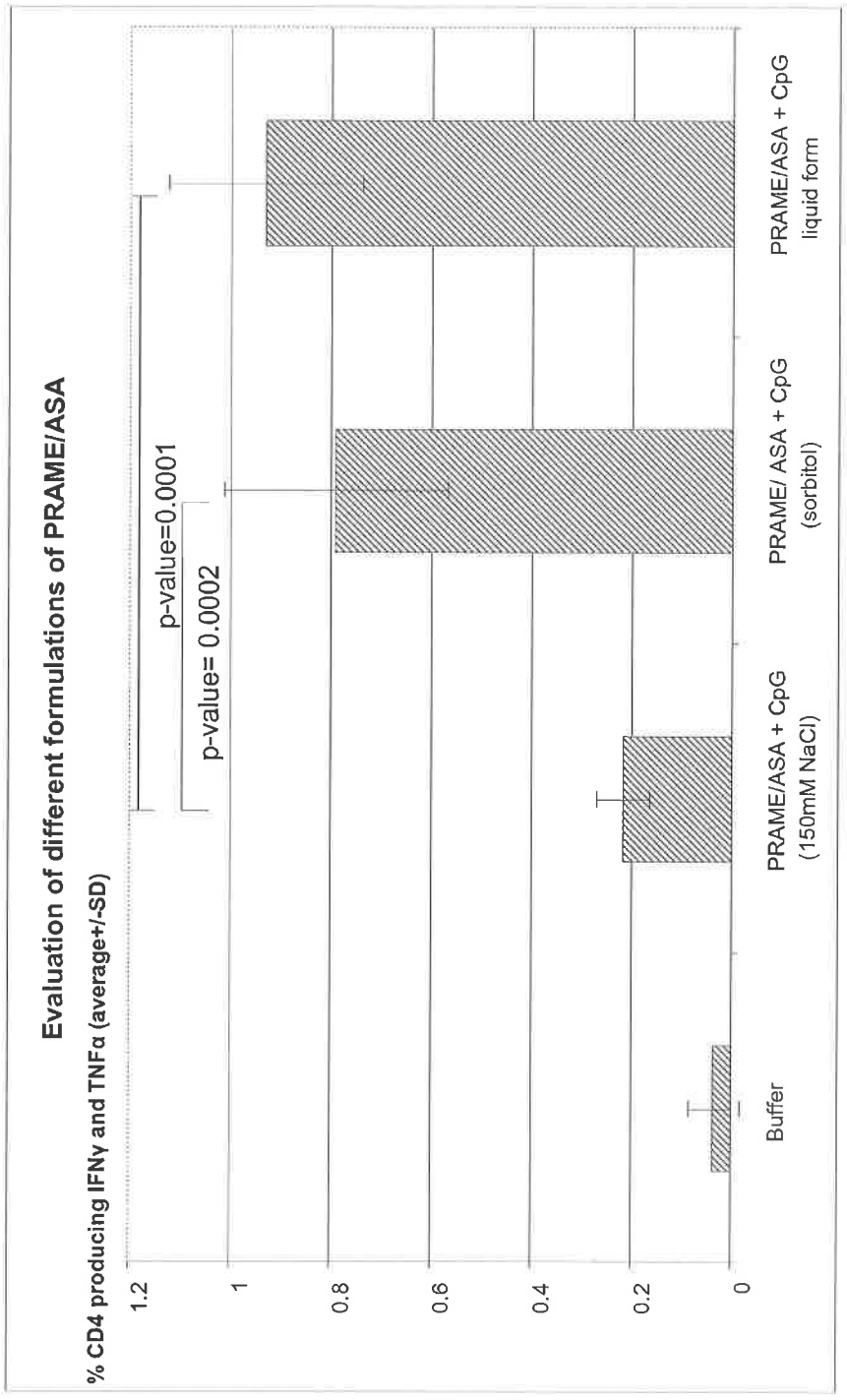
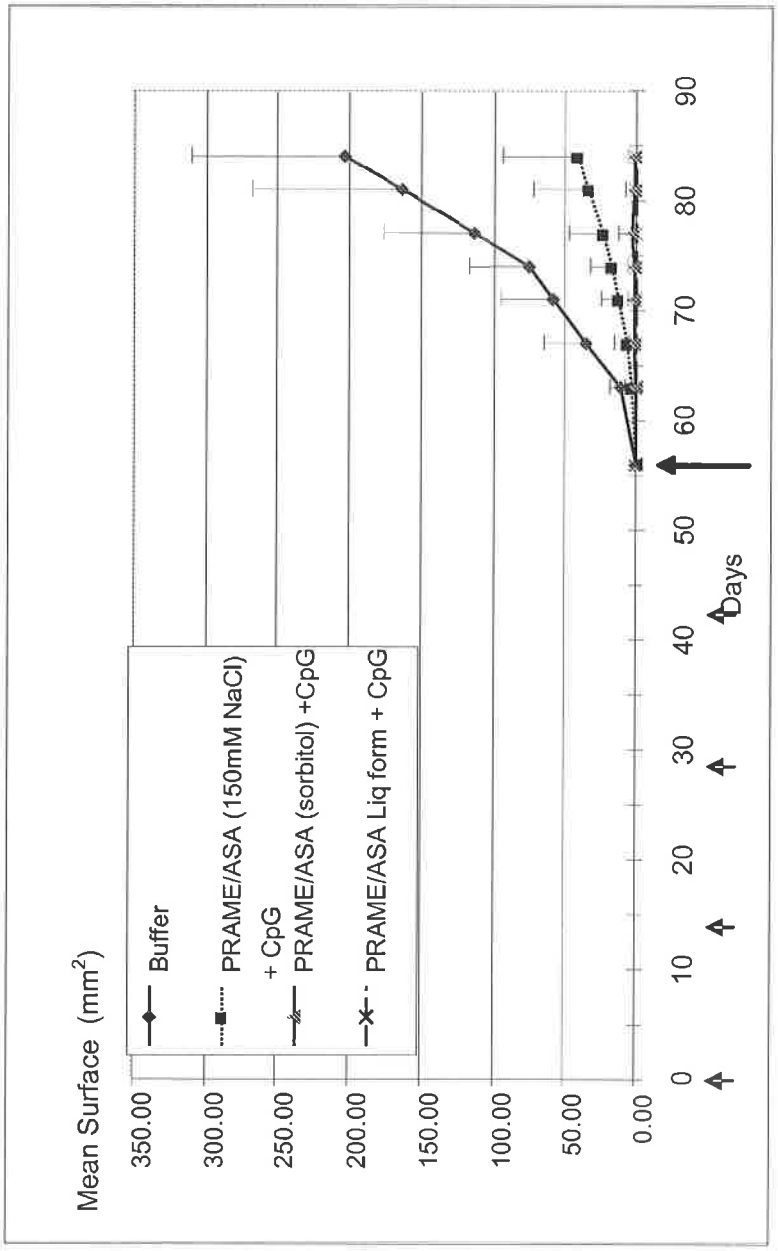

Evaluation of different formulations of PRAME/ASA
% CD4 producing IFNγ and TNFα (average+/-SD)
1.2
1
0.8
0.6
0.4
0.2
0
p-value=0.0001
p-value= 0.0002
Buffer
PRAME/ASA + CpG (150mM NaCl)
PRAME/ ASA + CpG (sorbitol)
PRAME/ASA + CpG liquid form

Figure 9


Mean Surface (mm2)
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
0
10
20
30
40
50
60
70
80
90
Days
Buffer
PRAME/ASA (150mM NaCl) + CpG
PRAME/ASA (sorbitol) +CpG
PRAME/ASA Liq form + CpG