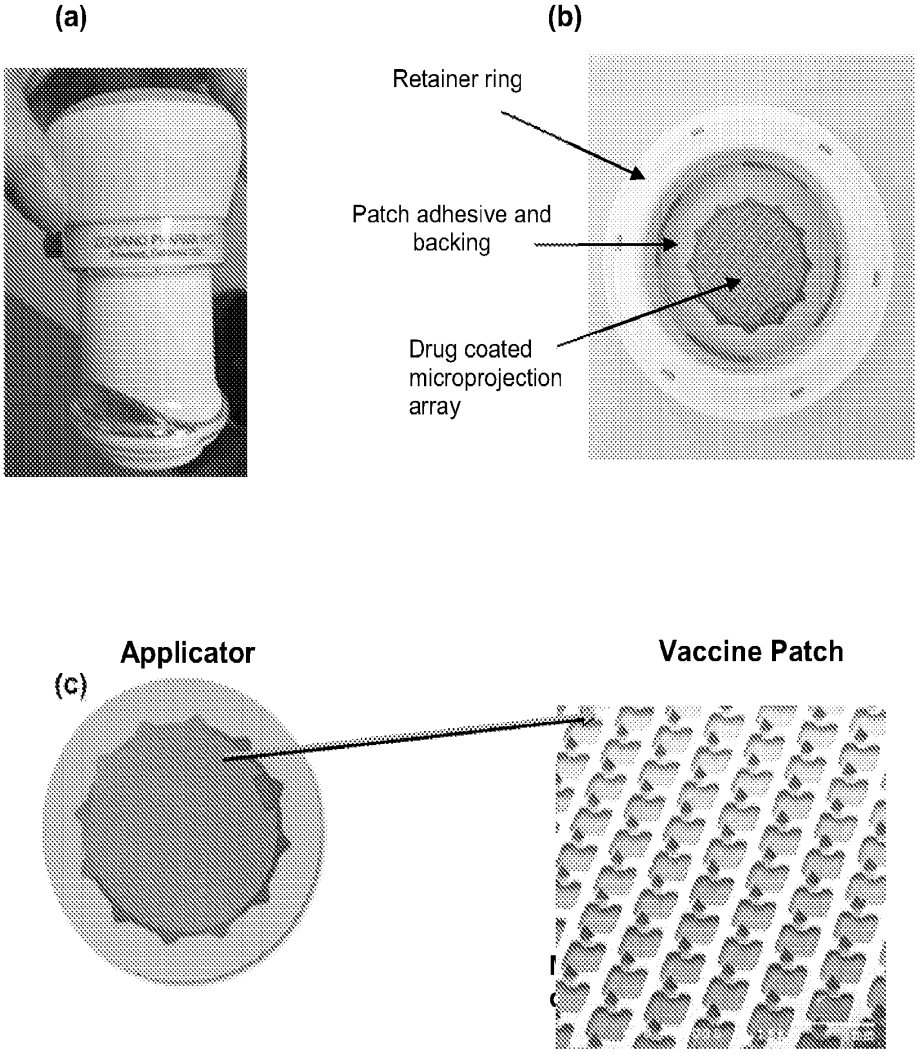
Figure 1


(a)
(b)
Retainer ring
Patch adhesive and backing
Drug coated microprojection array
Applicator
Vaccine Patch
(c)

(d)

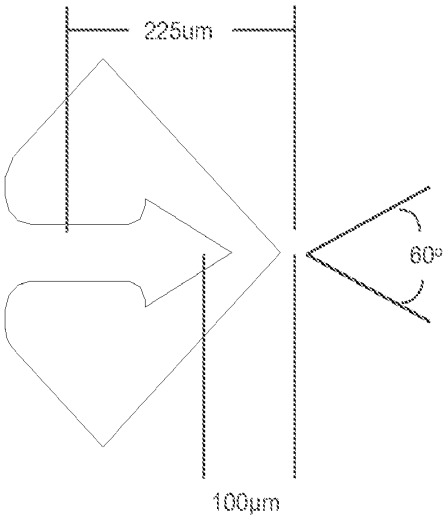


Figure 2

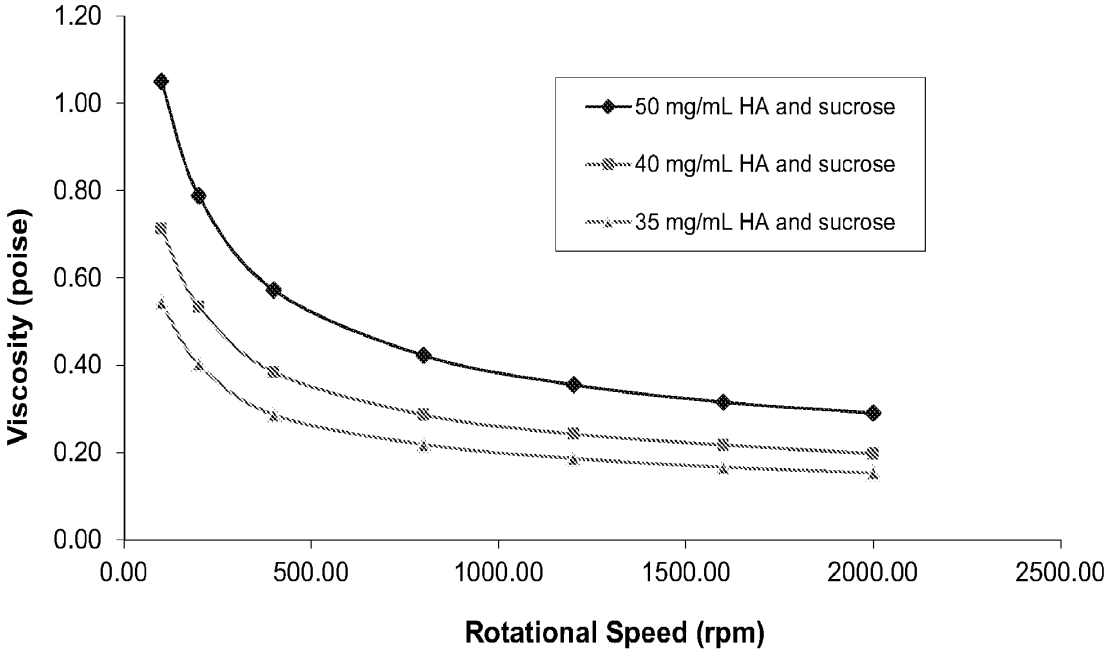

1.20
1.00
0.80
0.60
0.40
0.20
0.00
Viscosity (poise)
0.00
500.00
1000.00
1500.00
2000.00
2500.00
Rotational Speed (rpm)
50 mg/mL HA and sucrose
40 mg/mL HA and sucrose
35 mg/mL HA and sucrose

Figure 3:

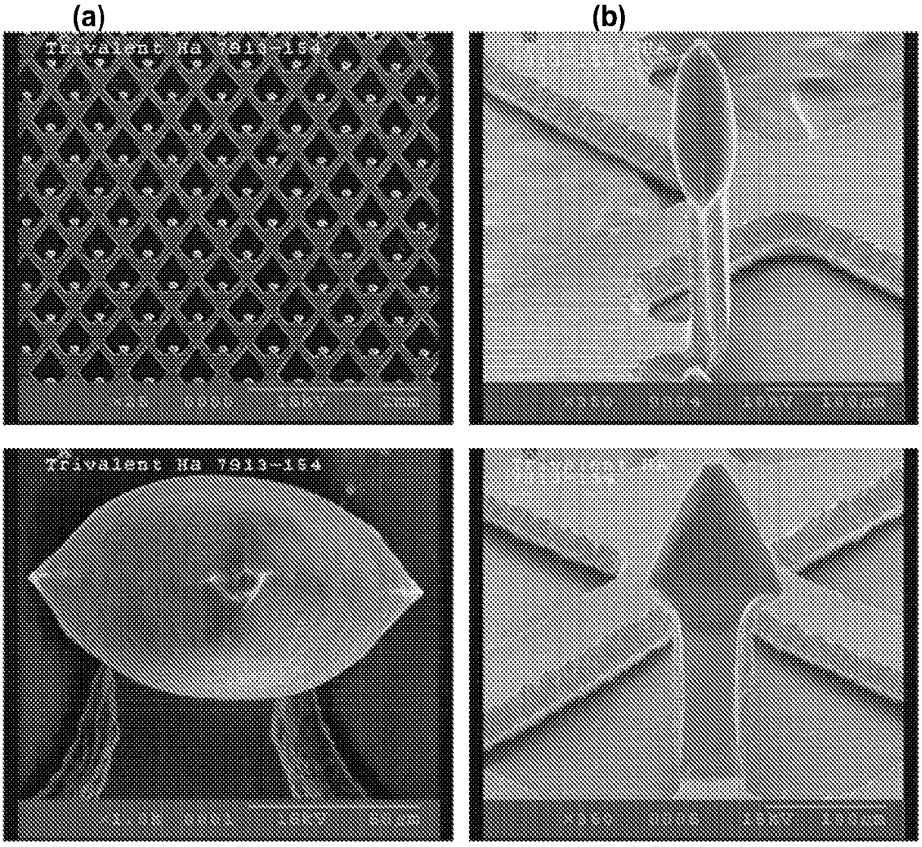
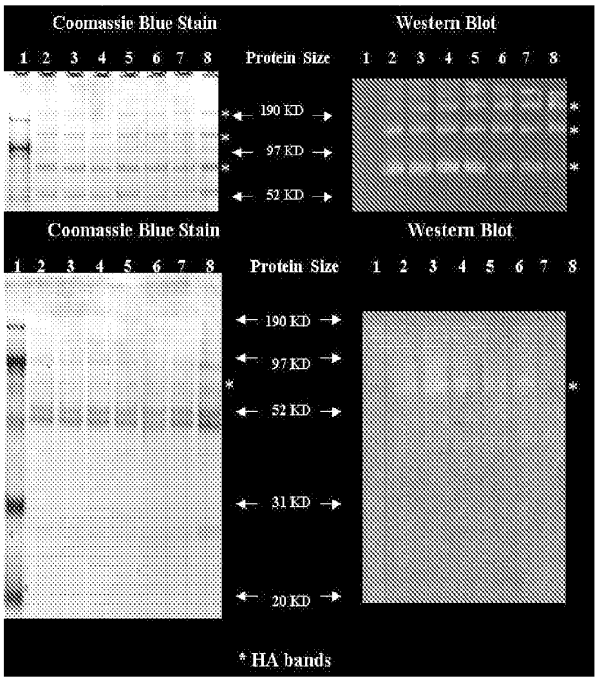


Figure 4

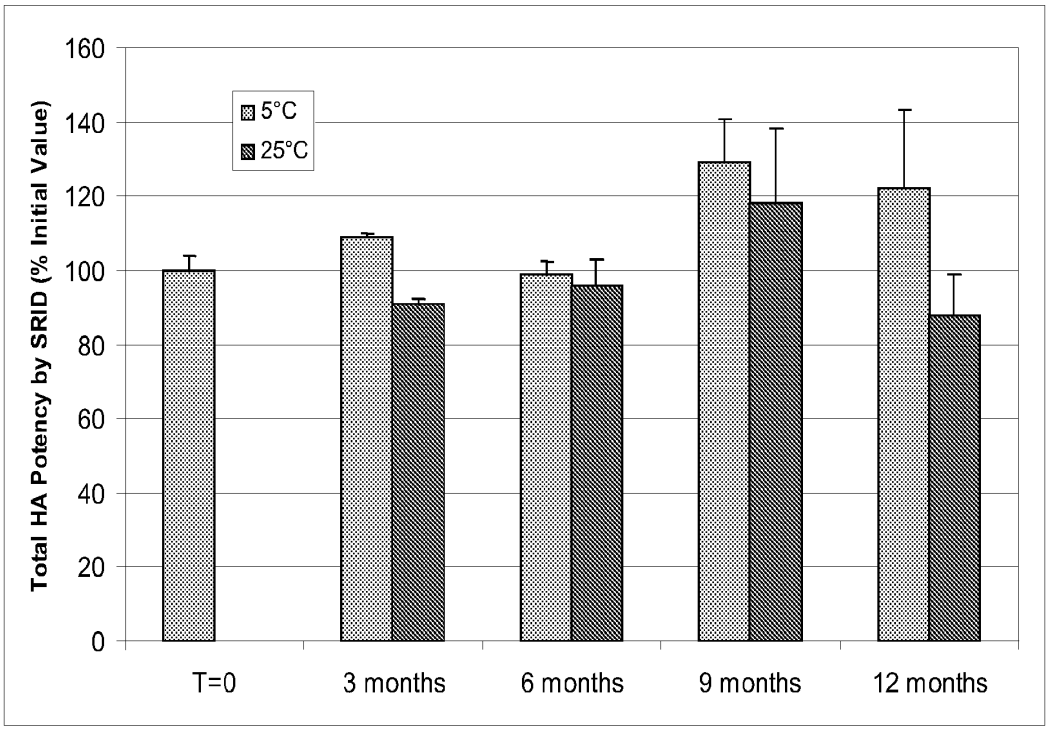
(a)

(b)



Lane #	Formulation
1	Molecular weight marker
2	Freeze dried (FD) (2.5 μg)
3	FD/reconstituted with 10%Zwittergent 3-14 (2.5 μg)
4	FD/reconstituted with 5%Zwittergent 3-14/pH 10 (2.5 μg)
5	FD/reconstituted with 10% Triton X100/pH 10 (2.5 μg)
6	FD/reconstituted with 10%SDS (2.5 μg)
7	Starting vaccine (2.5 μg)
8	Starting vaccine (5.0 μg)

Figure 5


Total HA Potency by SRID (% Initial Value)
160
140
120
100
80
60
40
20
0
5°C
25°C
T=0
3 months
6 months
9 months
12 months