FIGURE 1

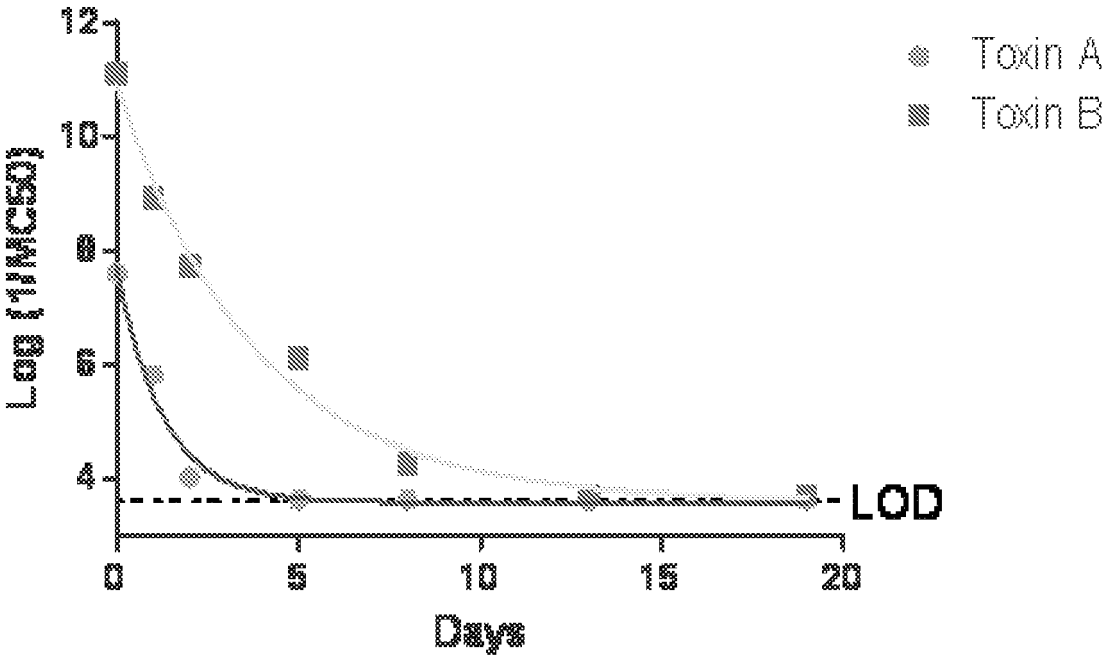


FIGURE 2

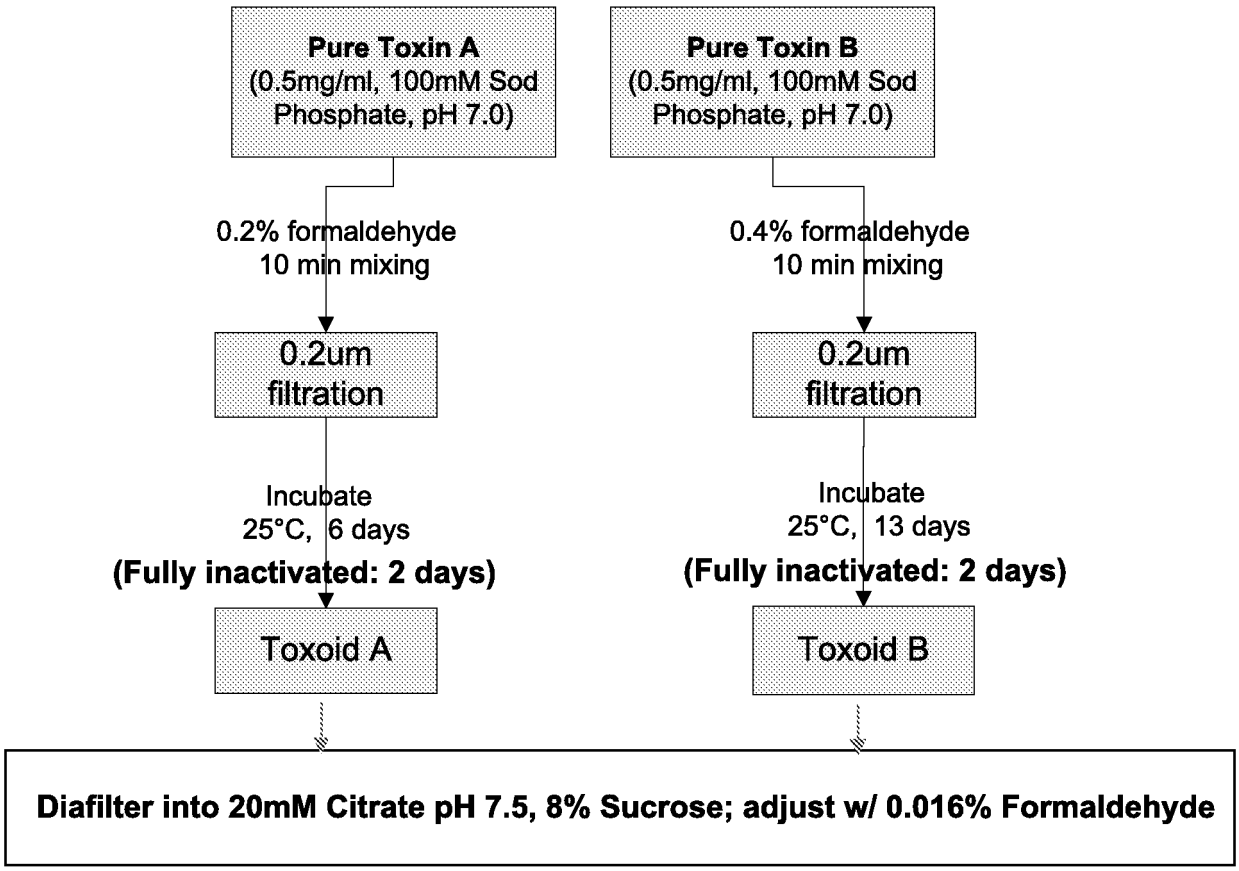
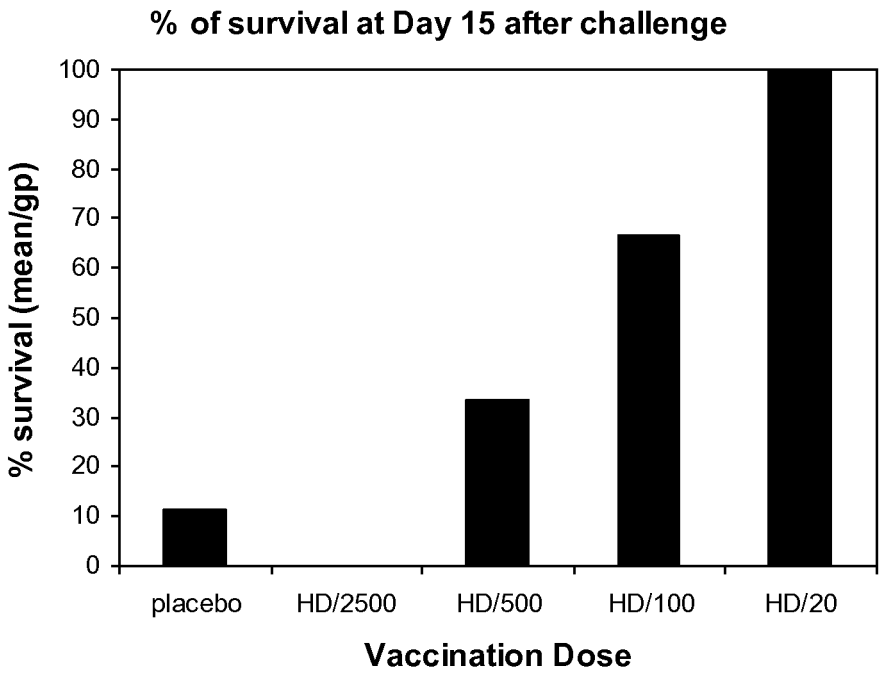

Pure Toxin A
(0.5mg/ml, 100mM Sod Phosphate, pH 7.0)
Pure Toxin B
(0.5mg/ml, 100mM Sod Phosphate, pH 7.0)
0.2% formaldehyde
10 min mixing
0.4% formaldehyde
10 min mixing
0.2um filtration
0.2um filtration
Incubate
25°C, 6 days
(Fully inactivated: 2 days)
Incubate
25°C, 13 days
(Fully inactivated: 2 days)
Toxoid A
Toxoid B
Diafilter into 20mM Citrate pH 7.5, 8% Sucrose; adjust w/ 0.016% Formaldehyde

FIGURE 3


% of survival at Day 15 after challenge
% survival (mean/gp)
100
90
80
70
60
50
40
30
20
10
0
placebo
HD/2500
HD/500
HD/100
HD/20
Vaccination Dose