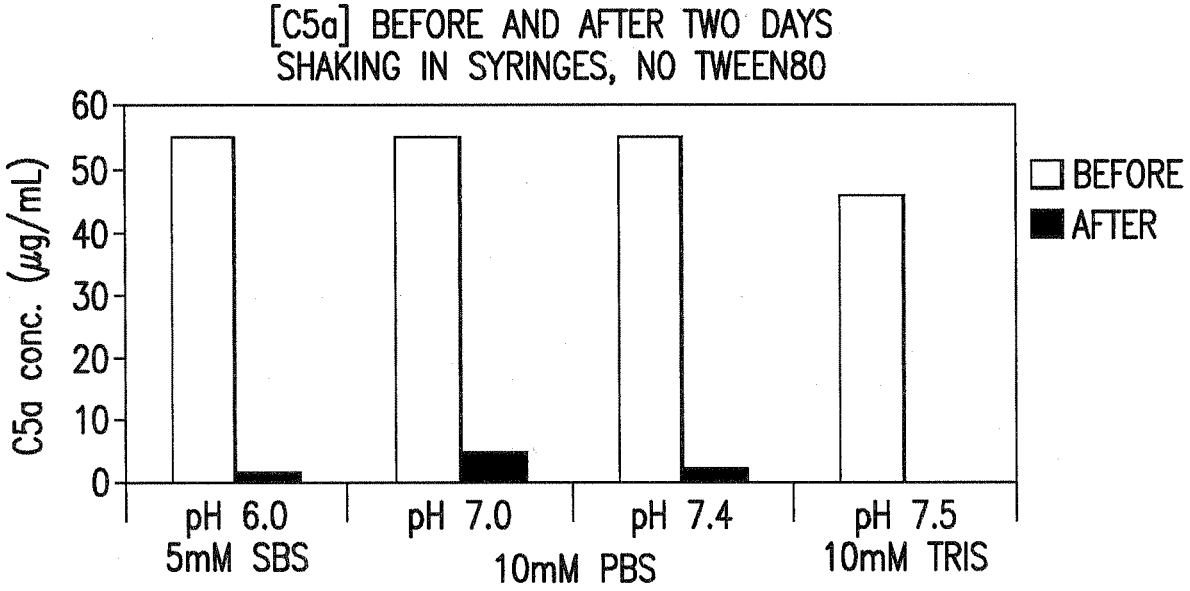

[C5a] BEFORE AND AFTER TWO DAYS
SHAKING IN SYRINGES, NO TWEEN80
C5a conc. (µg/mL)
60
50
40
30
20
10
0
BEFORE
AFTER
pH 6.0
5mM SBS
pH 7.0
10mM PBS
pH 7.4
pH 7.5
10mM TRIS

FIG.1A

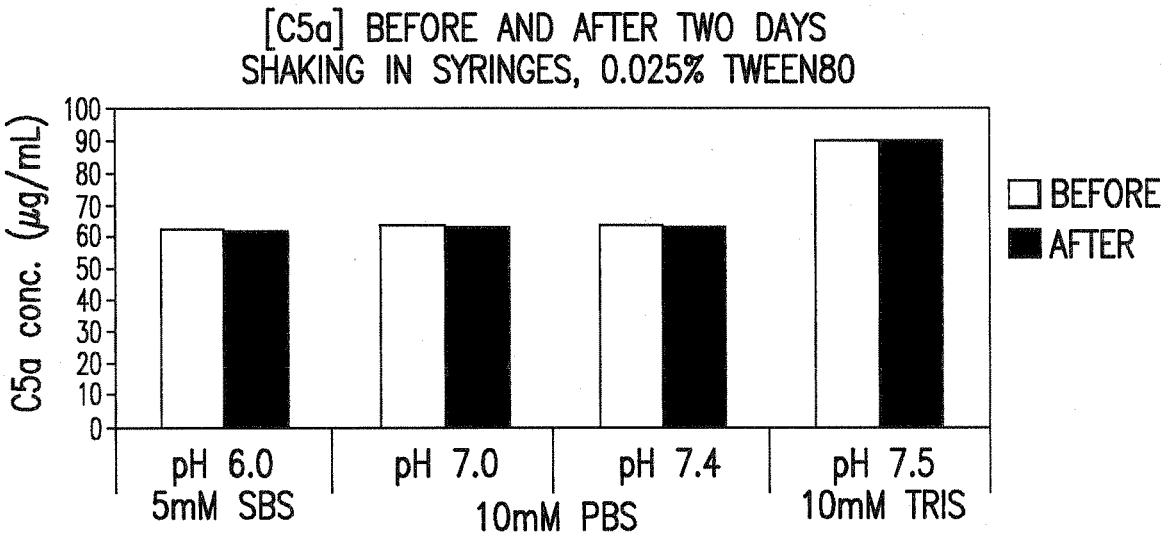

[C5a] BEFORE AND AFTER TWO DAYS
SHAKING IN SYRINGES, 0.025% TWEEN80
C5a conc. (µg/mL)
100
90
80
70
60
50
40
30
20
10
0
BEFORE
AFTER
pH 6.0
5mM SBS
pH 7.0
10mM PBS
pH 7.4
pH 7.5
10mM TRIS

FIG.1B

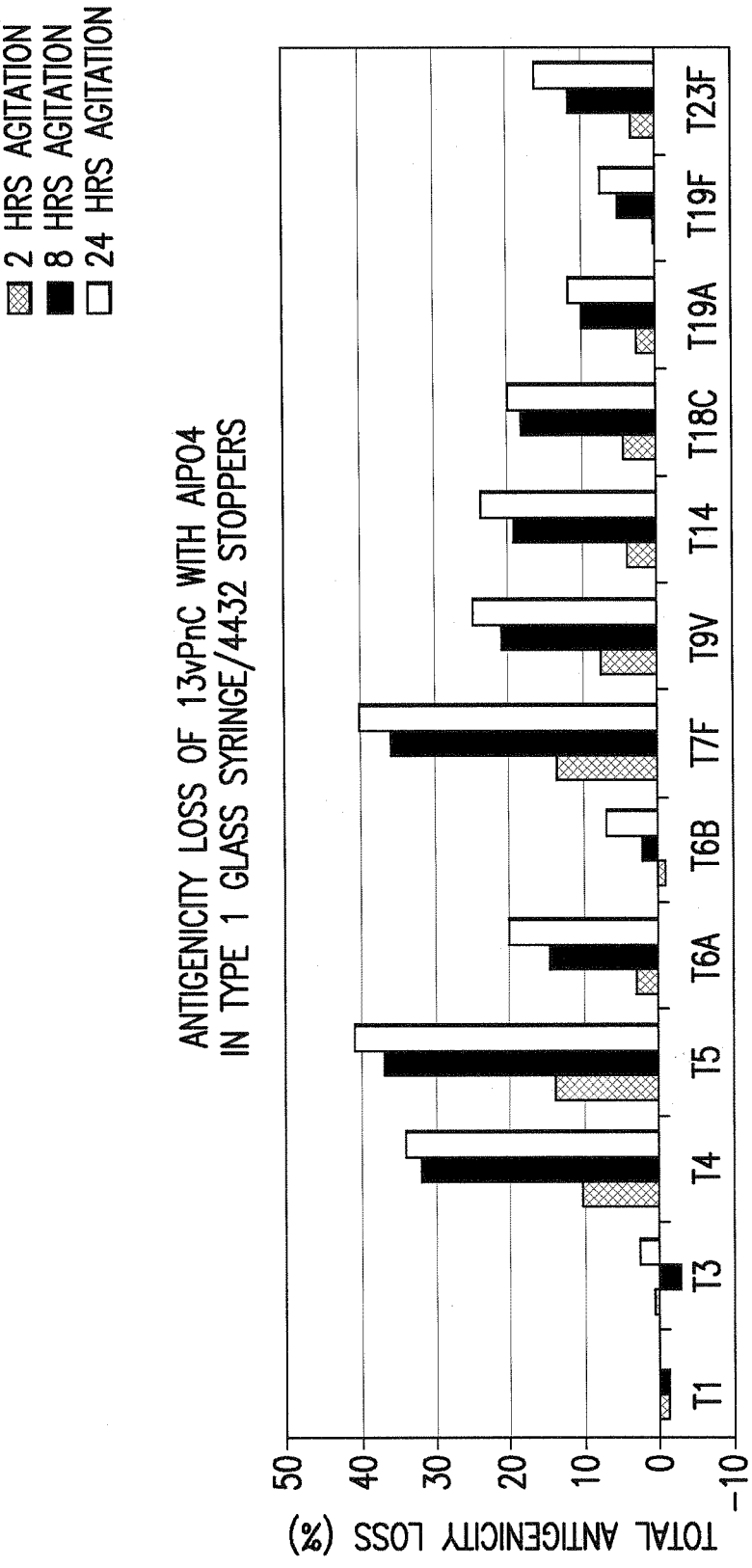

2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
ANTIGENICITY LOSS OF 13vPnC WITH AlPO4
IN TYPE 1 GLASS SYRINGE/4432 STOPPERS
TOTAL ANTIGENICITY LOSS (%)
50
40
30
20
10
0
-10
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.2

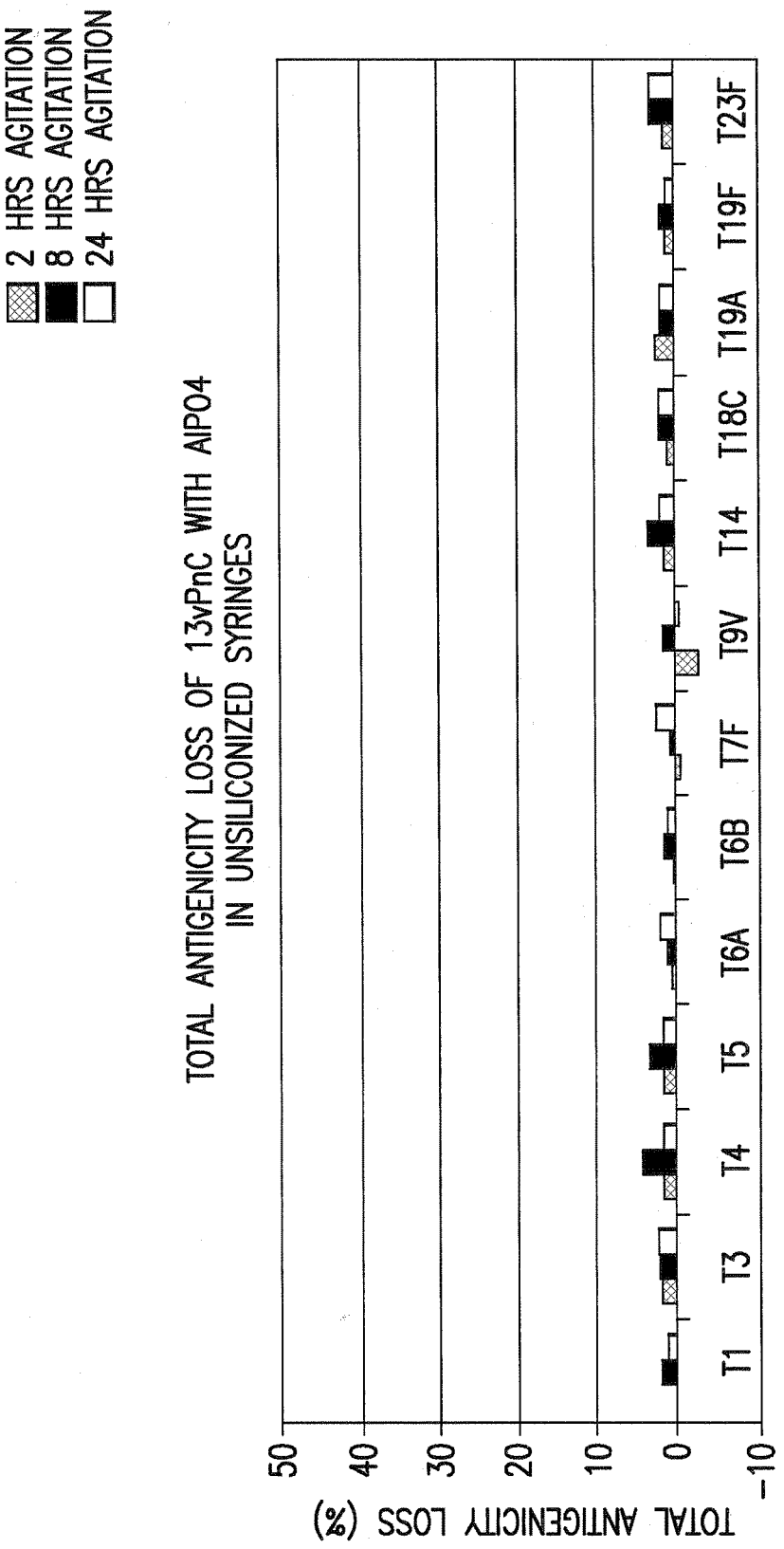

2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS OF 13vPnC WITH AlPO4
IN UNSILICONIZED SYRINGES
TOTAL ANTIGENICITY LOSS (%)
50
40
30
20
10
0
-10
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG. 3

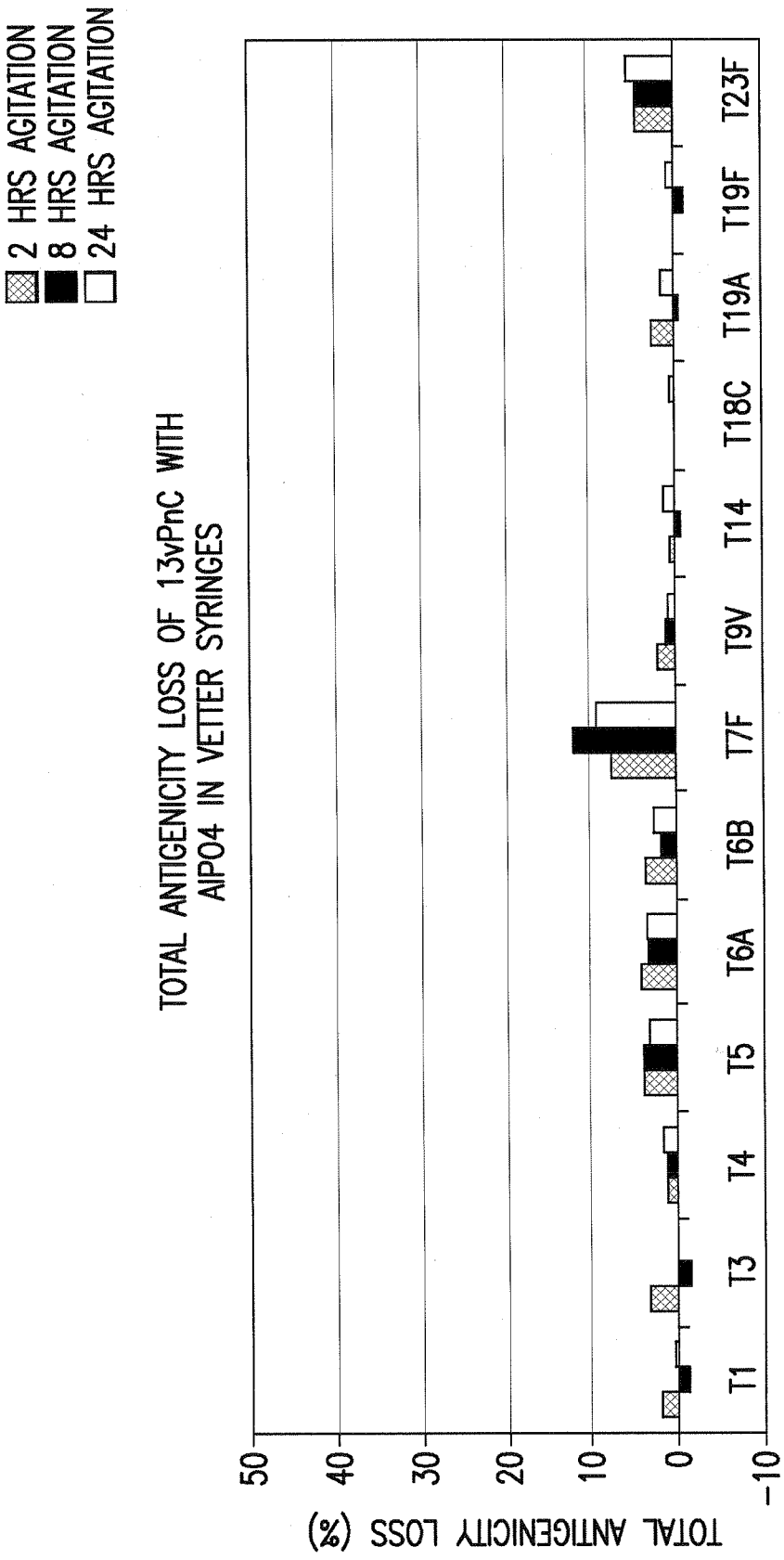

2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS OF 13vPnC WITH AlPO4 IN VETTER SYRINGES
TOTAL ANTIGENICITY LOSS (%)
50
40
30
20
10
0
-10
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.4

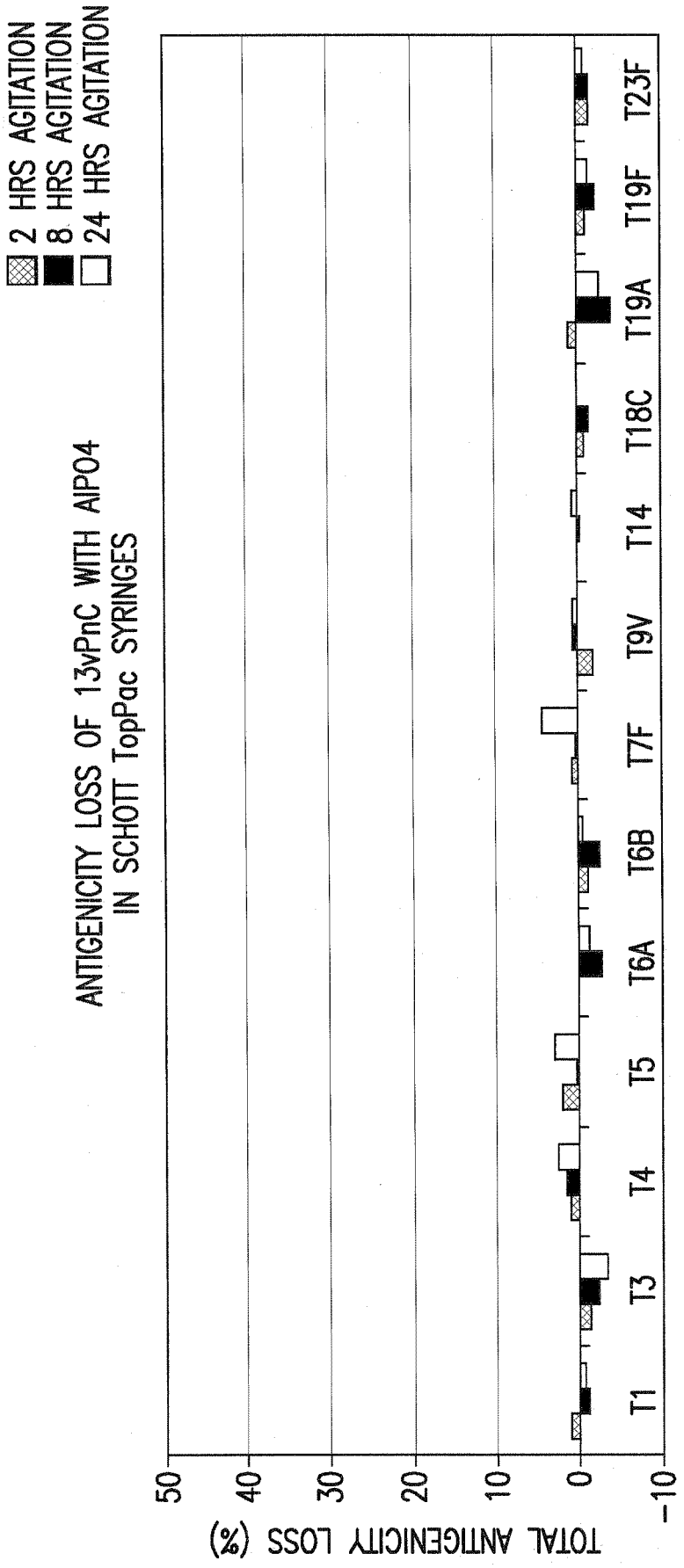

2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
ANTIGENICITY LOSS OF 13vPnC WITH AlPO4
IN SCHOTT TopPac SYRINGES
TOTAL ANTIGENICITY LOSS (%)
50
40
30
20
10
0
-10
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.5

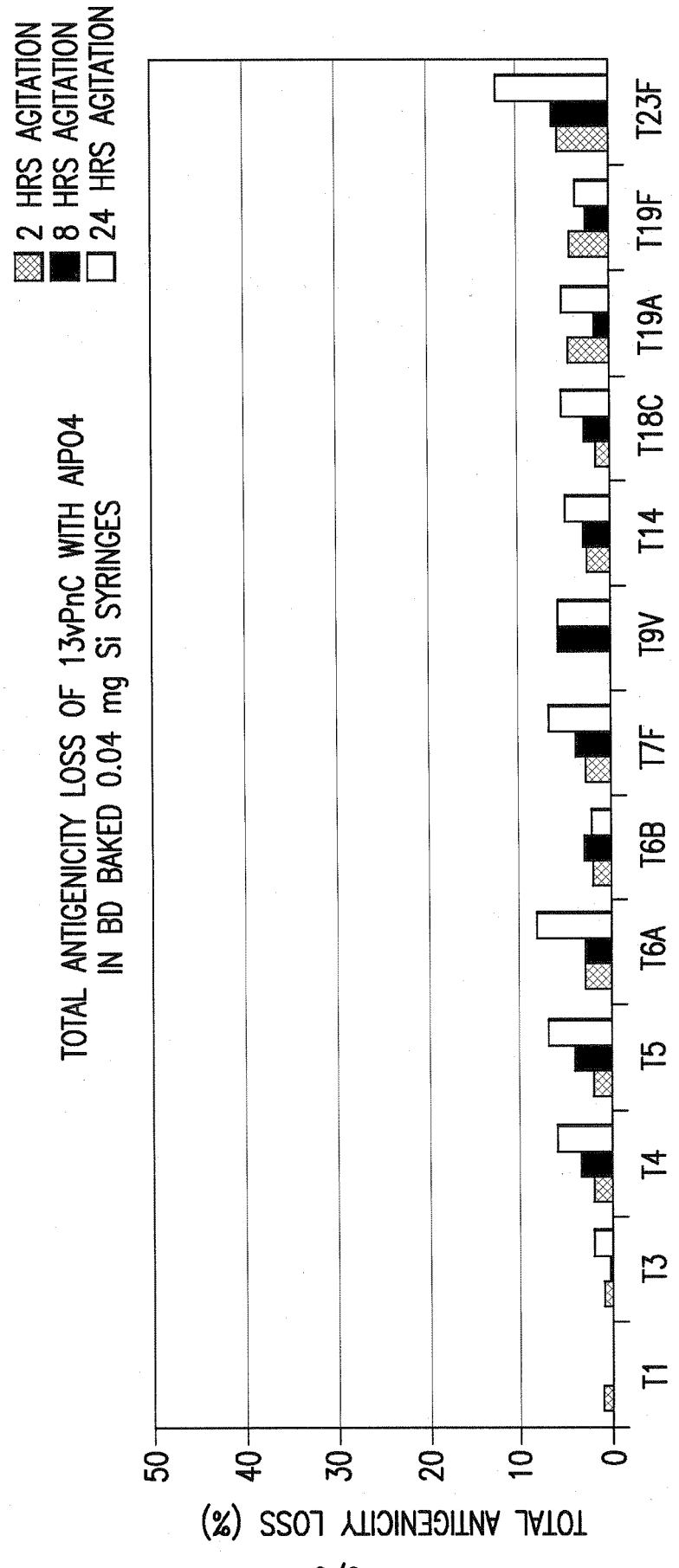

TOTAL ANTIGENICITY LOSS OF 13vPnC WITH AlPO4
IN BD BAKED 0.04 mg Si SYRINGES
2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS (%)
50
40
30
20
10
0
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.6A

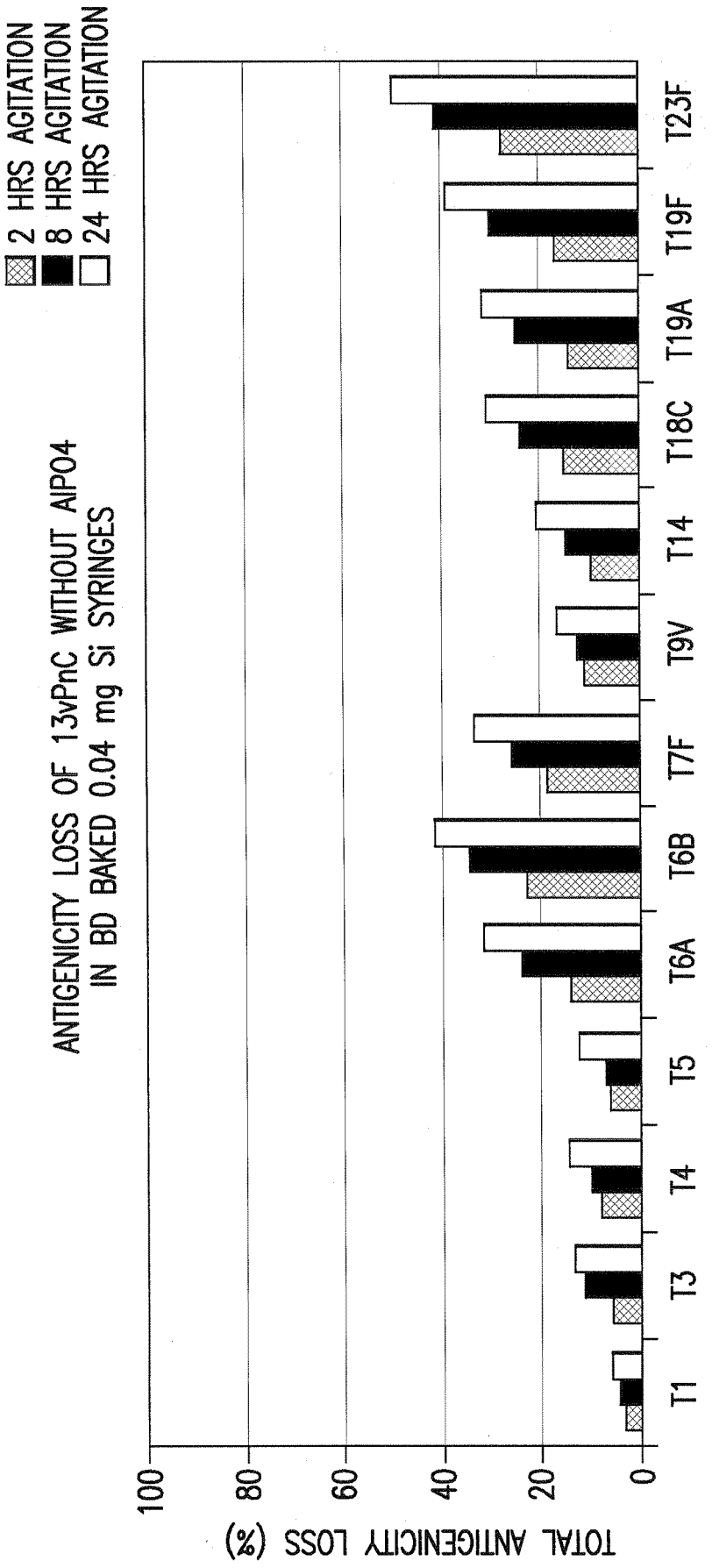

ANTIGENICITY LOSS OF 13vPnC WITHOUT AlPO4
IN BD BAKED 0.04 mg Si SYRINGES
2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS (%)
100
80
60
40
20
0
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.6B

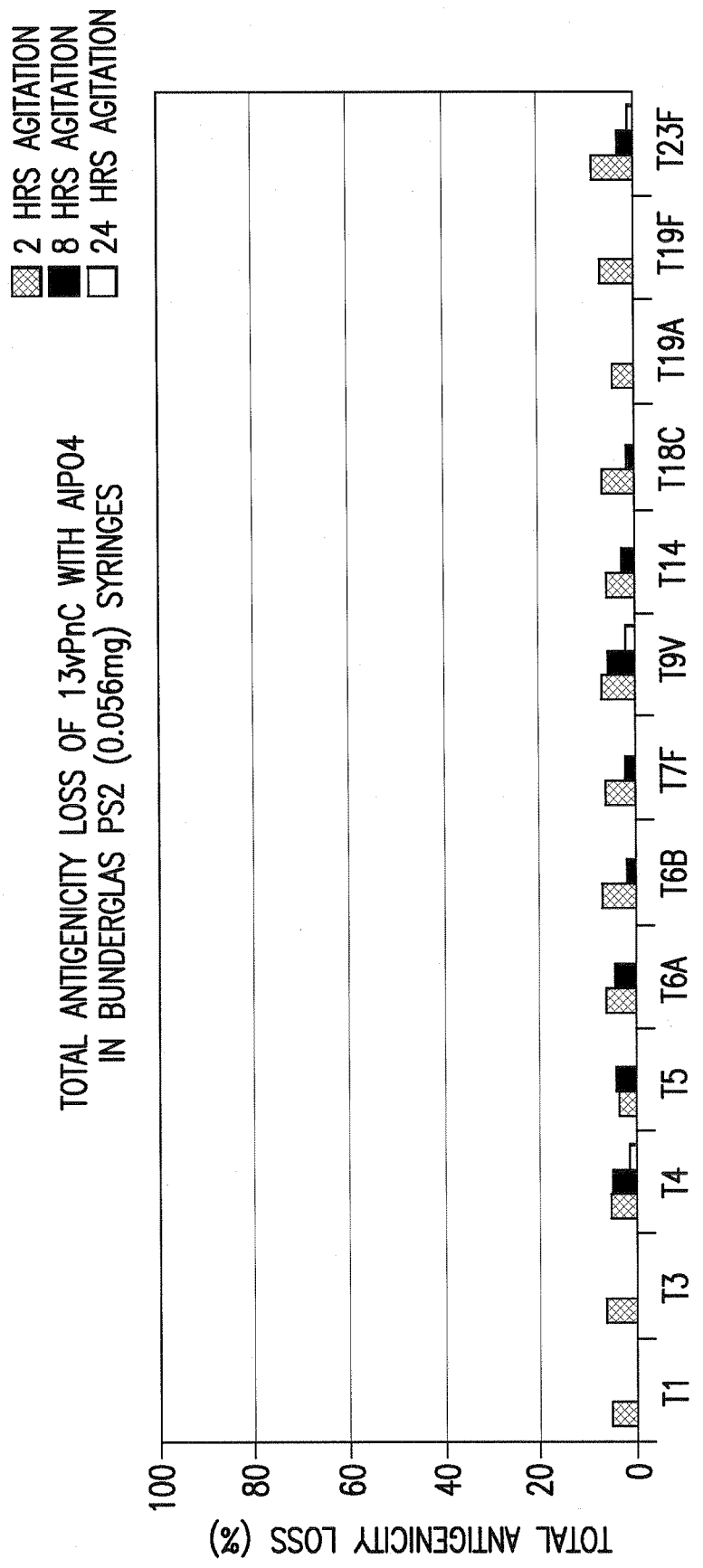

TOTAL ANTIGENICITY LOSS OF 13vPnC WITH AlPO4
IN BUNDERGLAS PS2 (0.056mg) SYRINGES
2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS (%)
100
80
60
40
20
0
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG. 7A

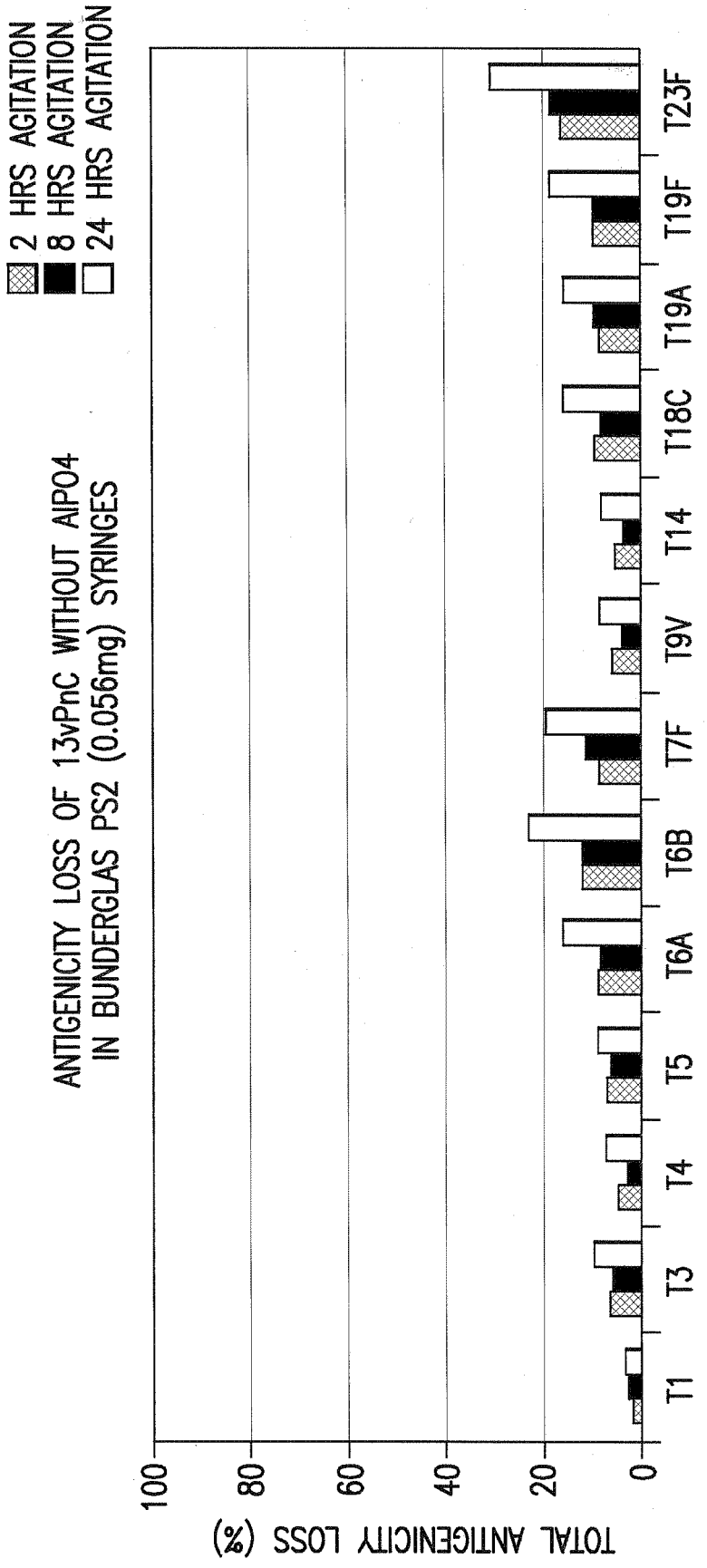

ANTIGENICITY LOSS OF 13vPnC WITHOUT AlPO4
IN BUNDERGLAS PS2 (0.056mg) SYRINGES
2 HRS AGITATION
8 HRS AGITATION
24 HRS AGITATION
TOTAL ANTIGENICITY LOSS (%)
100
80
60
40
20
0
T1
T3
T4
T5
T6A
T6B
T7F
T9V
T14
T18C
T19A
T19F
T23F

FIG.7B