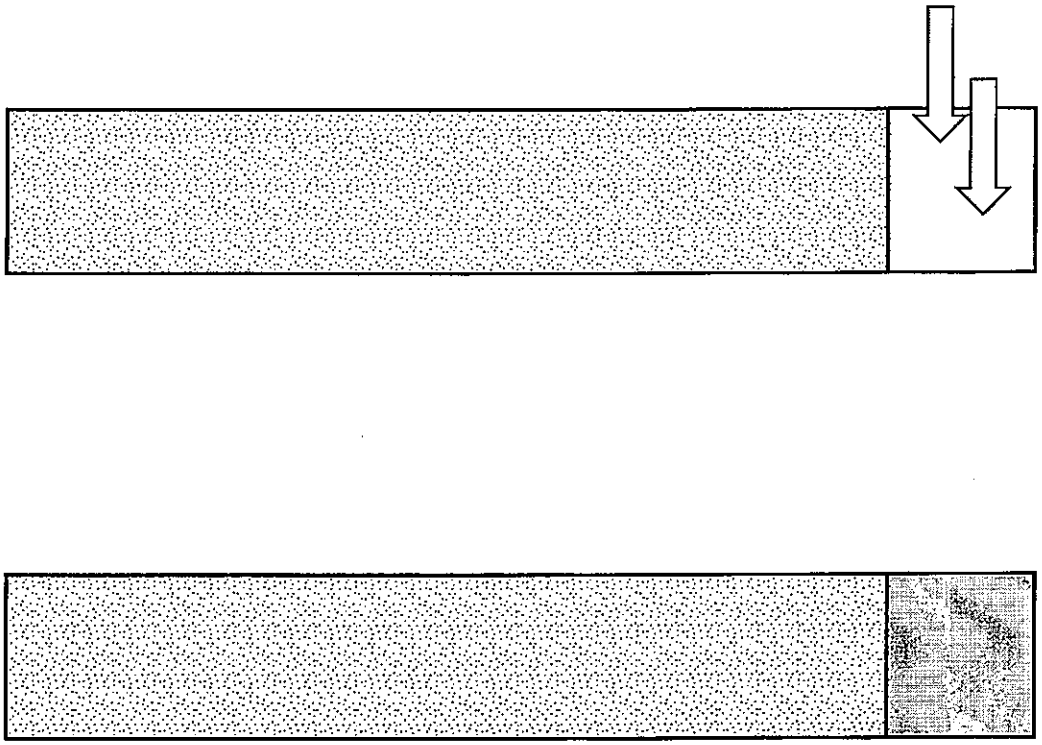


Fig. 1

Fig. 2A

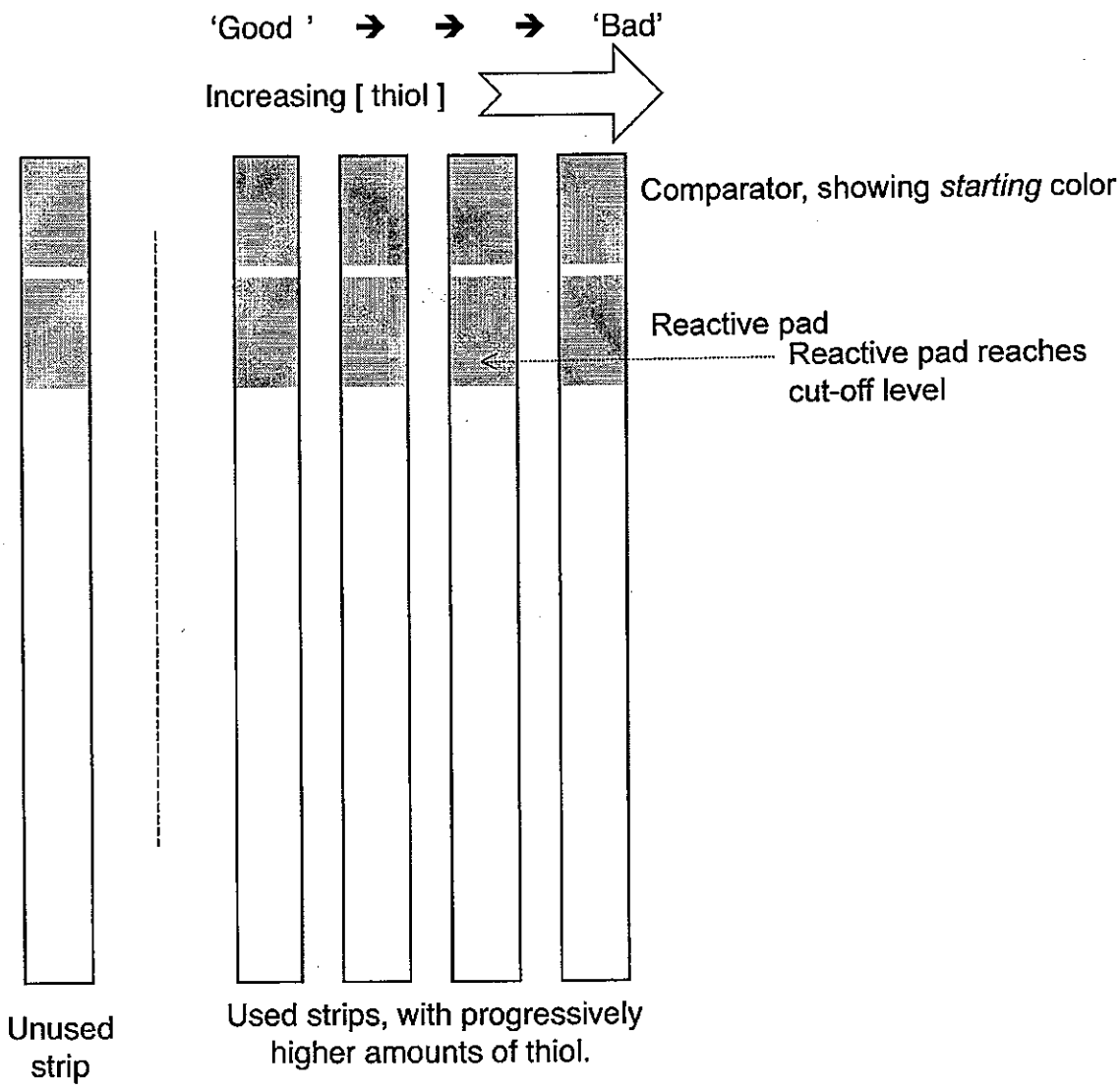

'Good ' → → → 'Bad'
Increasing [thiol]
Comparator, showing *starting* color
Reactive pad
Reactive pad reaches cut-off level
Unused strip
Used strips, with progressively higher amounts of thiol.

Fig. 2B

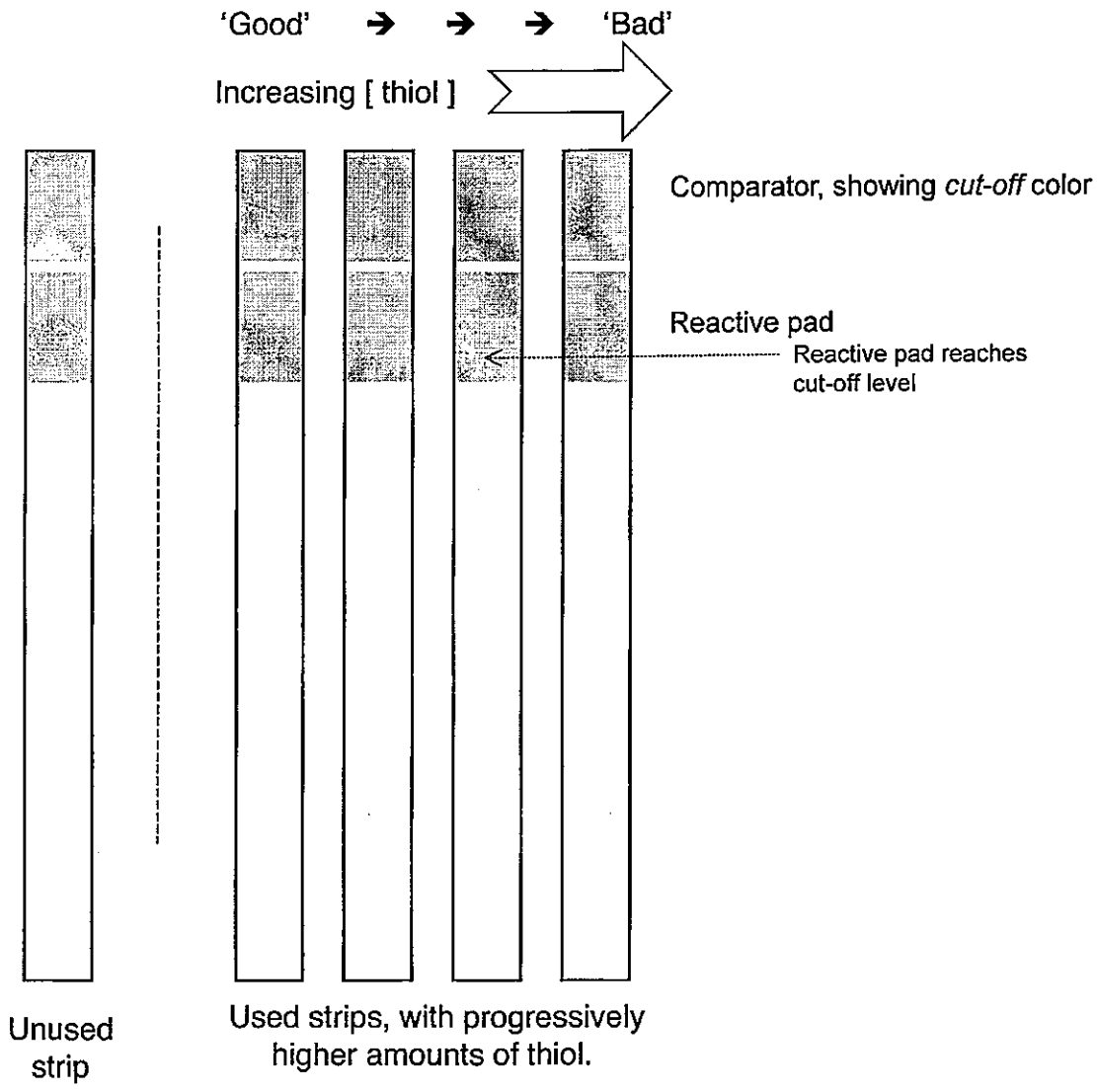

'Good' → → → 'Bad'
Increasing [thiol]
Comparator, showing *cut-off* color
Reactive pad
Reactive pad reaches cut-off level
Unused strip
Used strips, with progressively higher amounts of thiol.

Fig. 2C

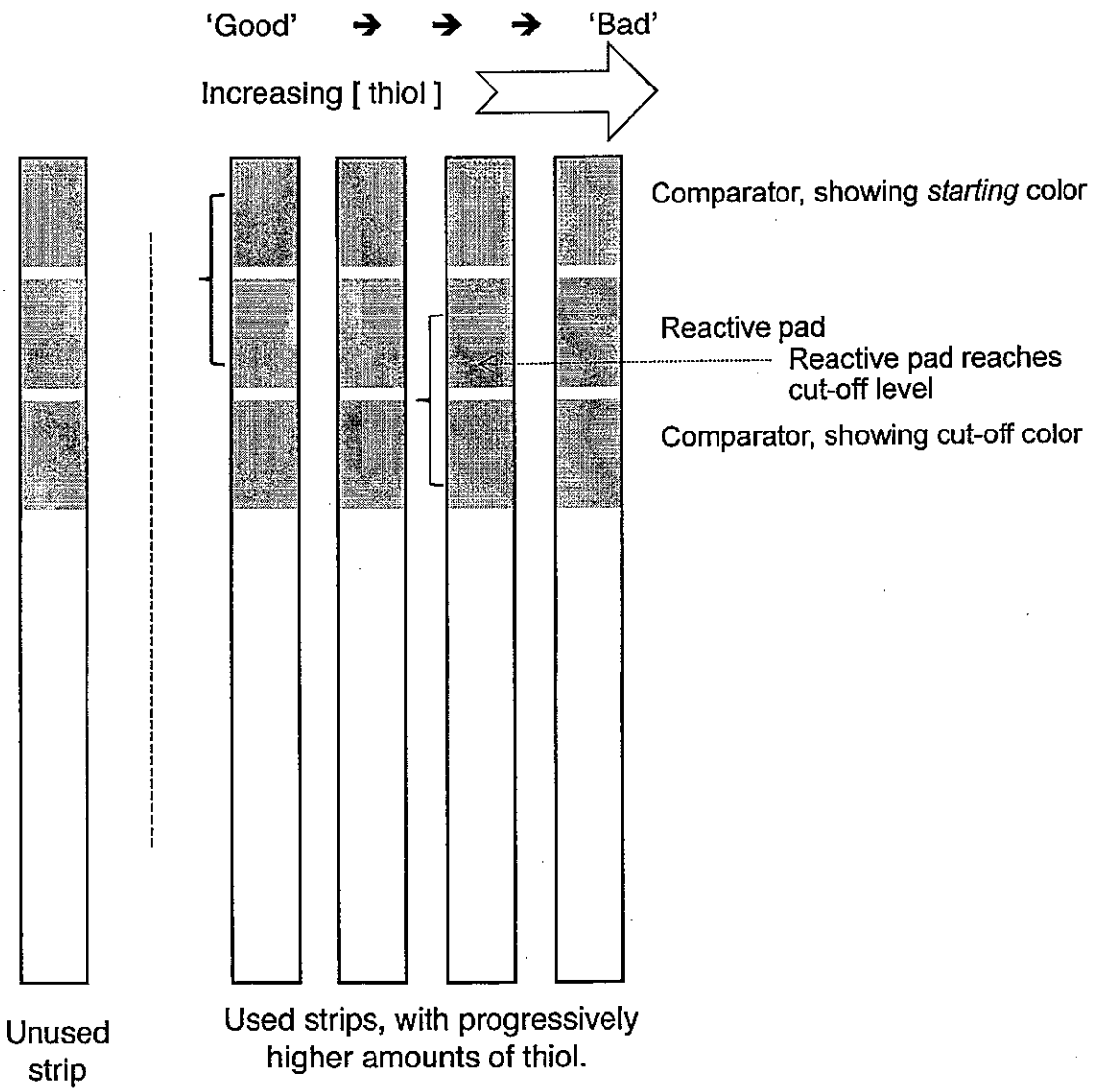

'Good' → → → 'Bad'
Increasing [thiol]
Comparator, showing *starting* color
Reactive pad
Reactive pad reaches cut-off level
Comparator, showing cut-off color
Unused strip
Used strips, with progressively higher amounts of thiol.

Fig. 2D

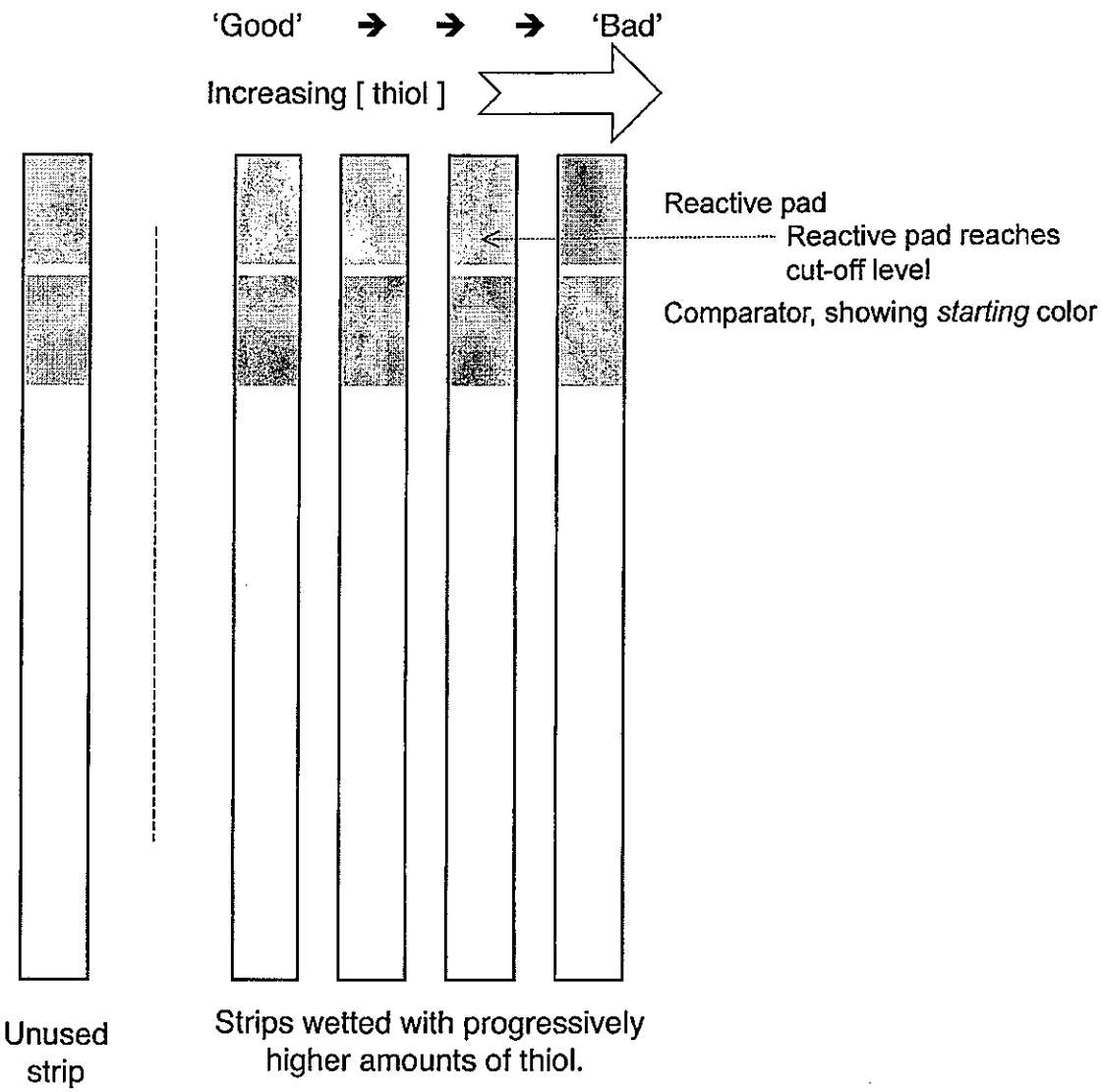
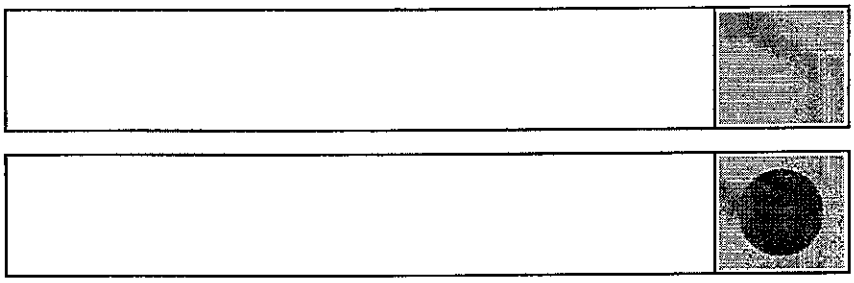

'Good' → → → 'Bad'
Increasing [thiol]
Reactive pad
Reactive pad reaches cut-off level
Comparator, showing *starting* color
Unused strip
Strips wetted with progressively higher amounts of thiol.

Fig. 3A



Unused strip or negative result

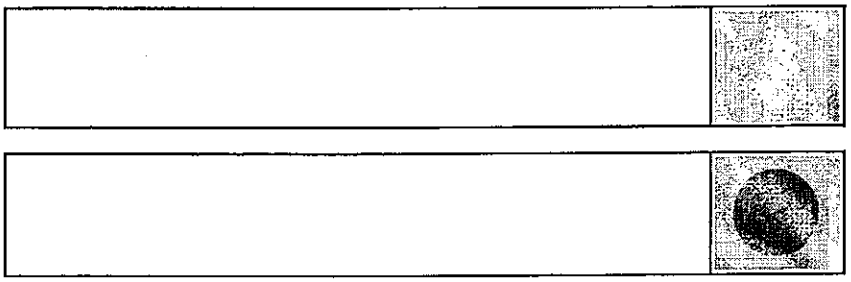


Positive result

Fig. 3B

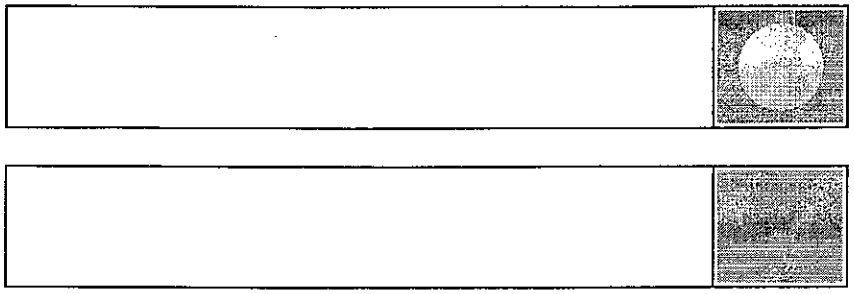


Unused strip or negative result



The two strips immediately above would both be considered positive

Fig. 3C

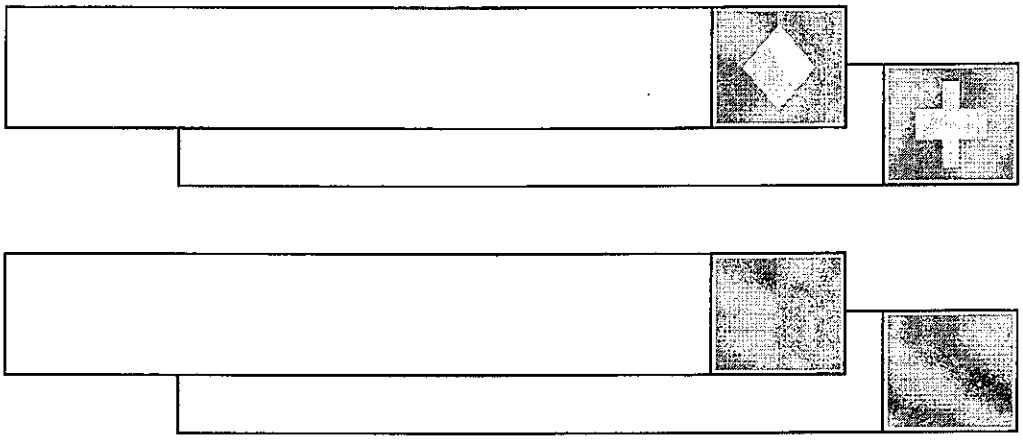


Both strips are negative

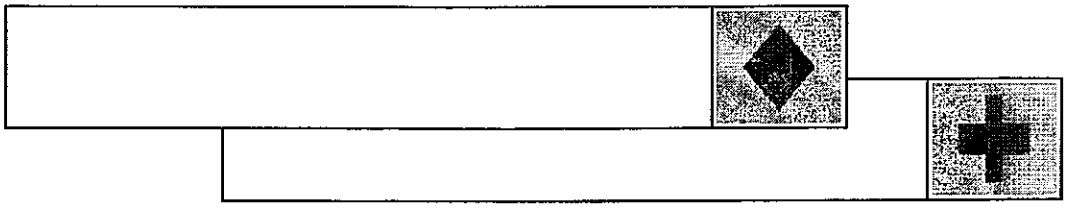


The strip shows a positive result

Fig. 3D

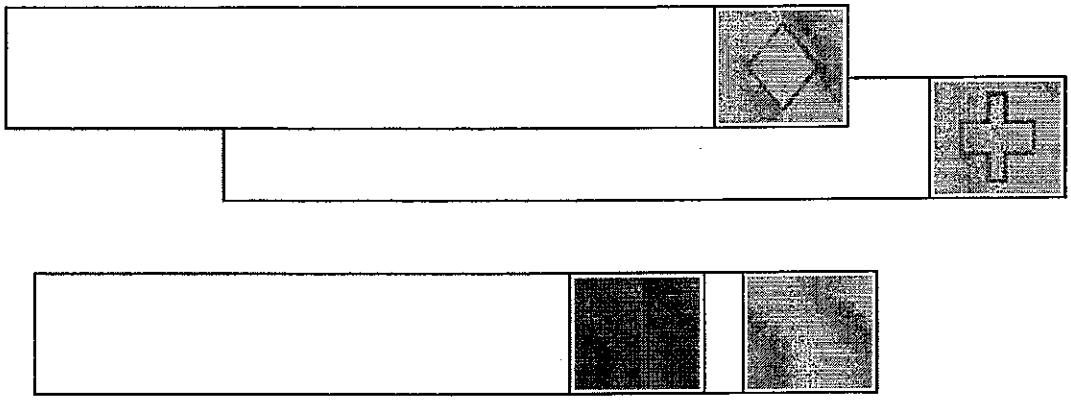


Negative or unused strips

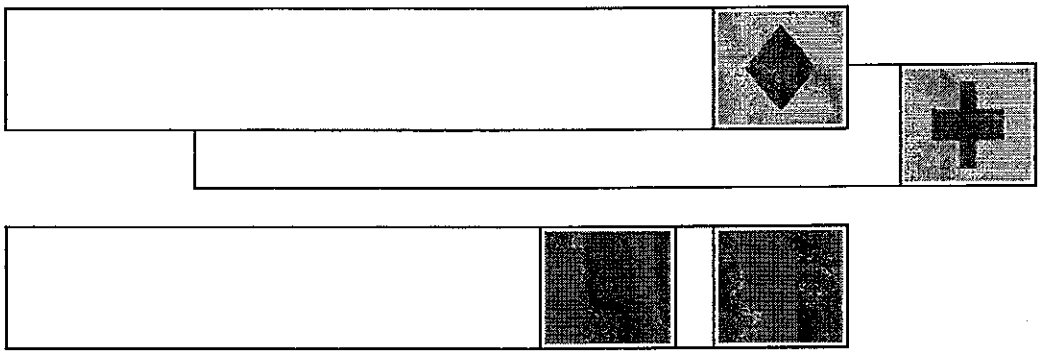


Positive result

Fig. 3E



Unused strip or negative result



The three strips immediately above would both be considered positive

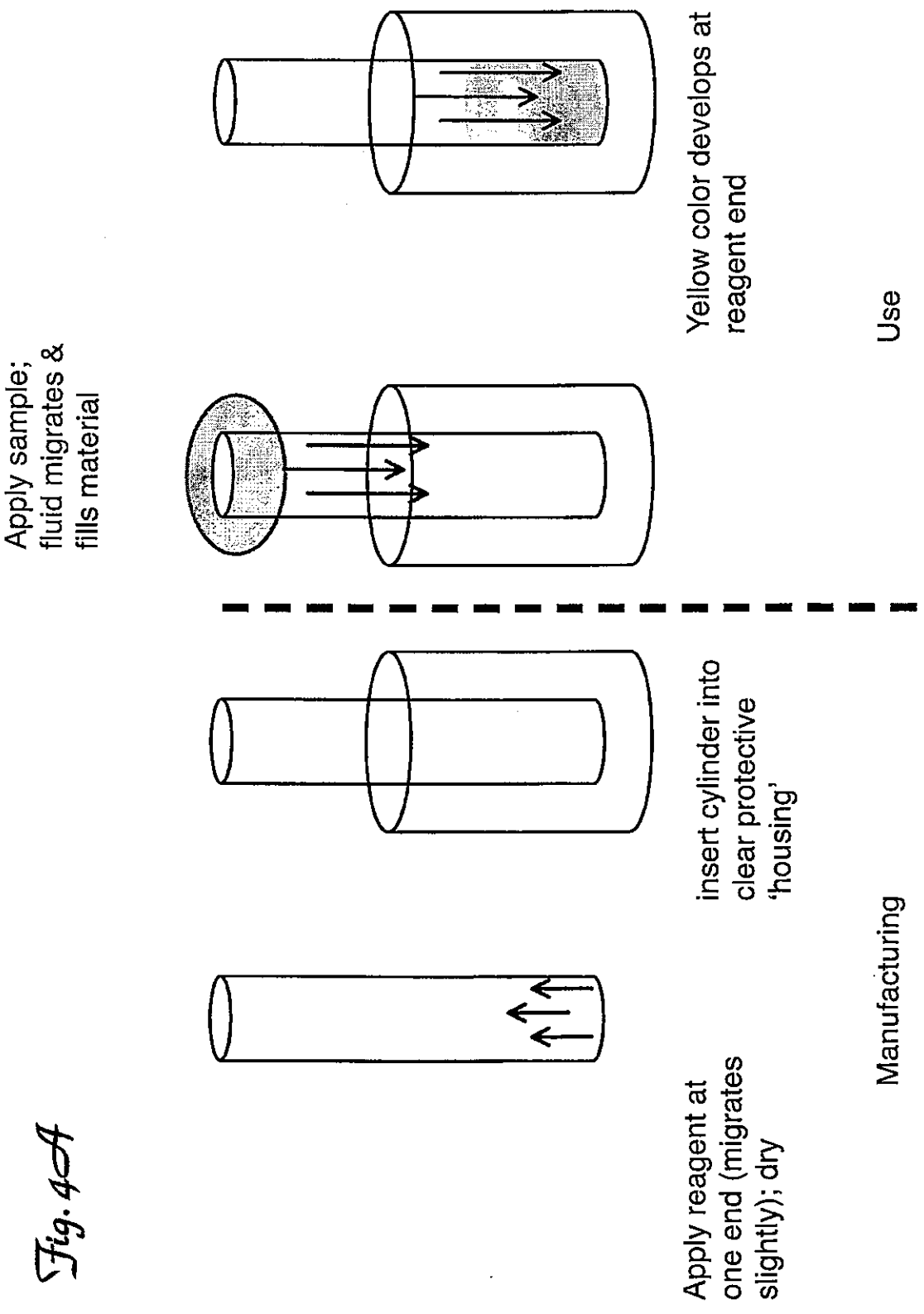

Apply sample; fluid migrates & fills material
Yellow color develops at reagent end
Use
insert cylinder into clear protective 'housing'
Apply reagent at one end (migrates slightly); dry
Manufacturing

Fig. 4A

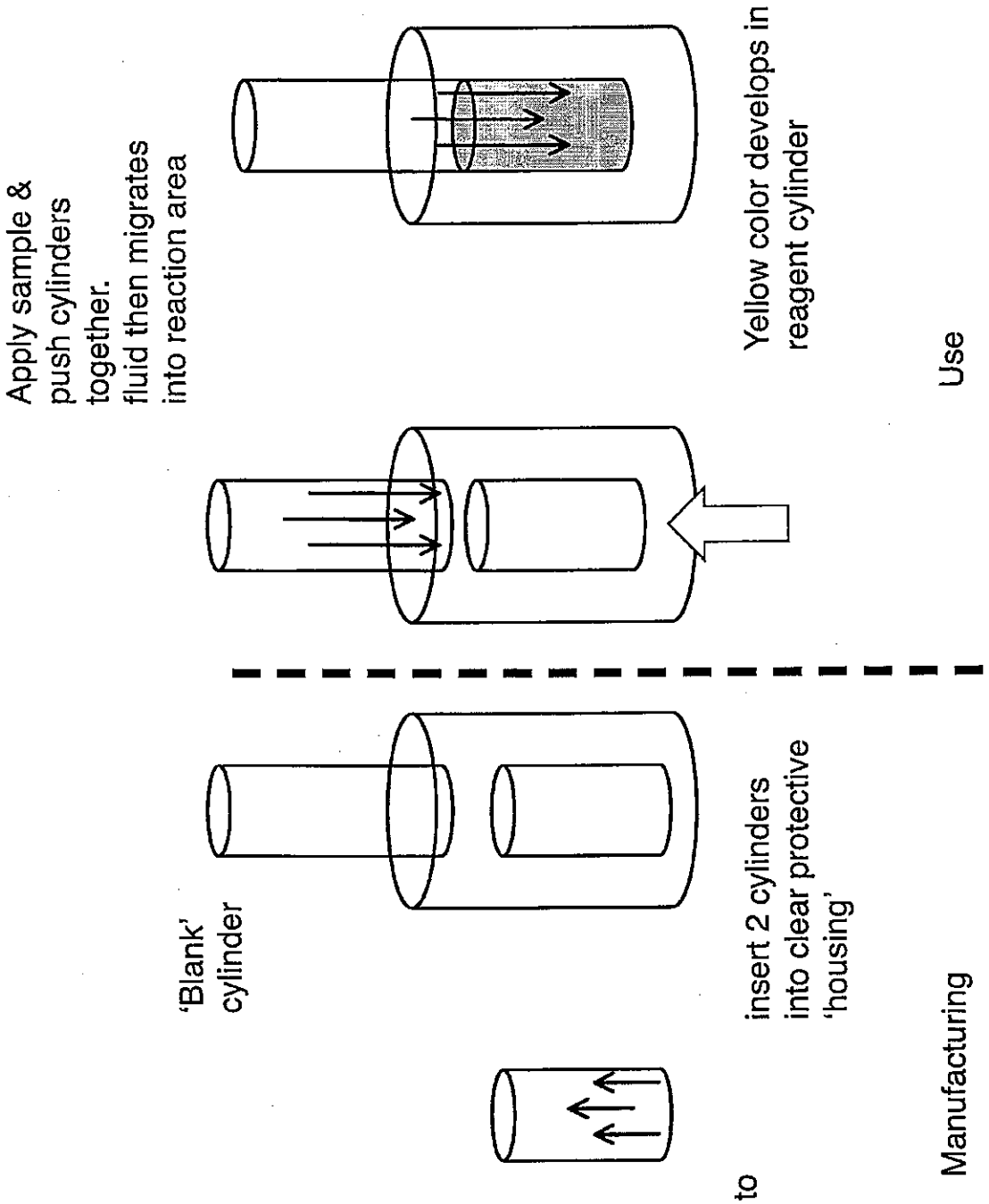

Apply sample & push cylinders together. fluid then migrates into reaction area
Yellow color develops in reagent cylinder
Use
'Blank' cylinder
insert 2 cylinders into clear protective 'housing'
Apply reagent to one of two cylinders; dry
Manufacturing

Fig. 4B

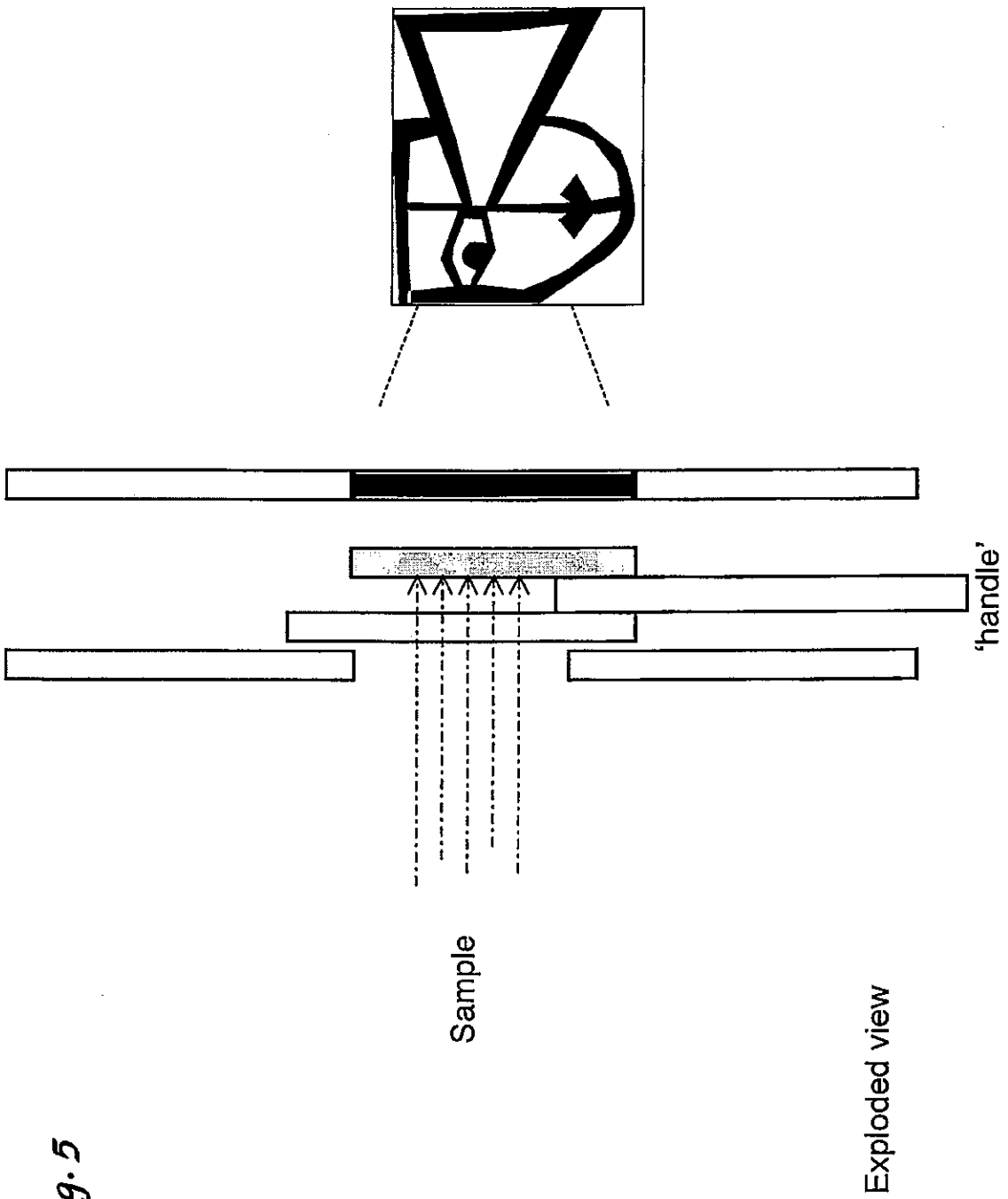


Fig. 5

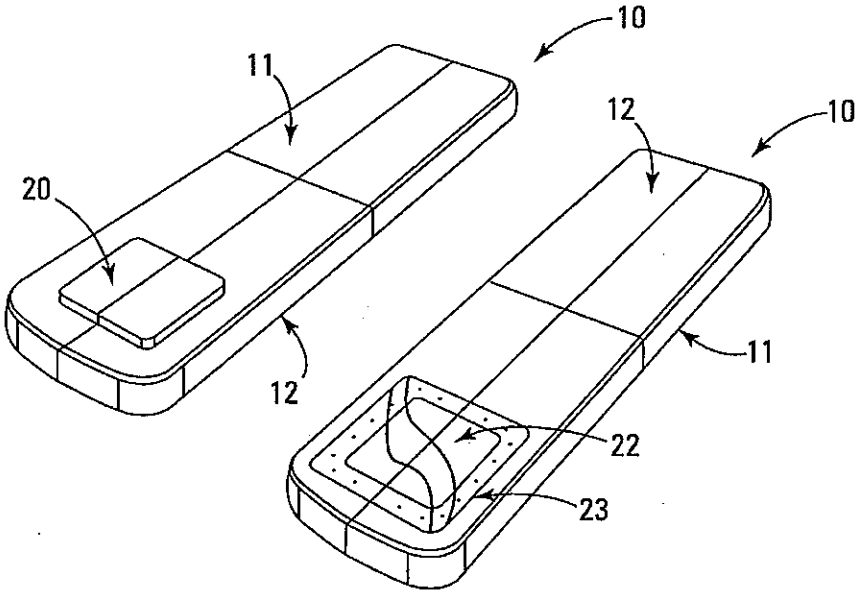


Fig. 6

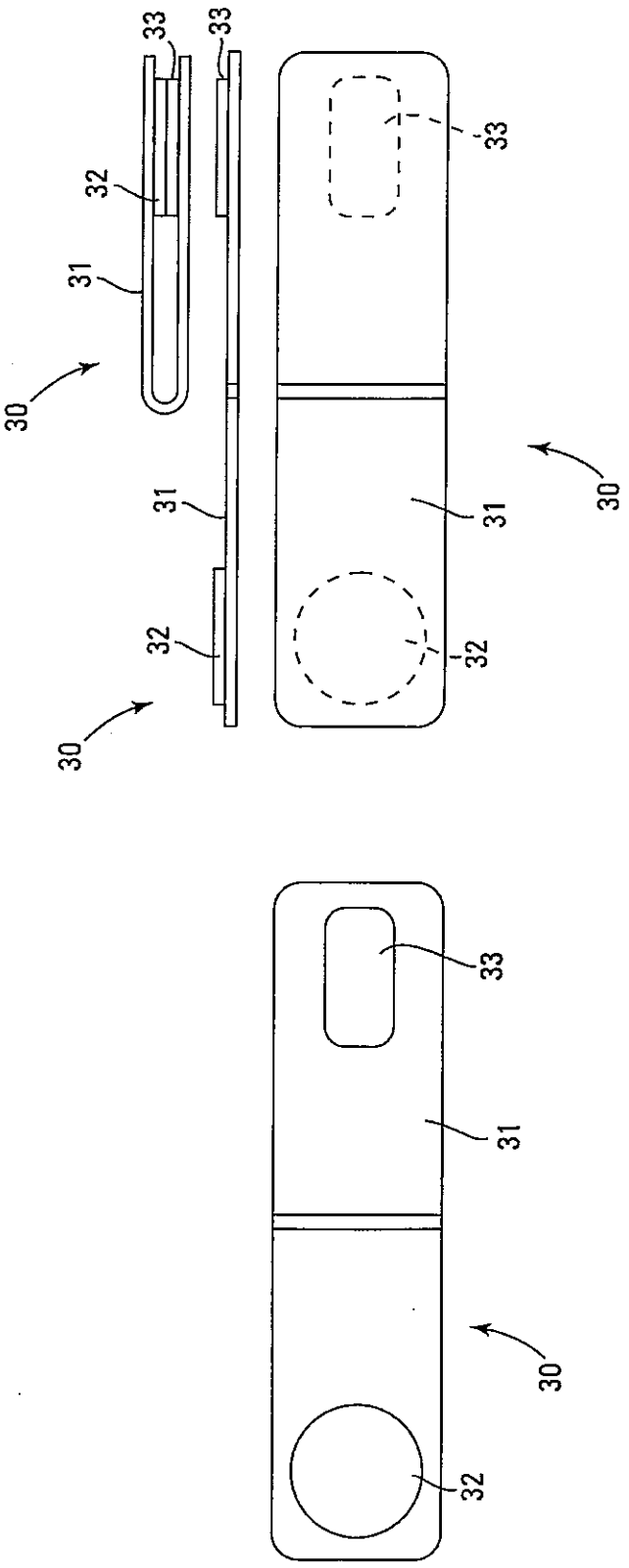
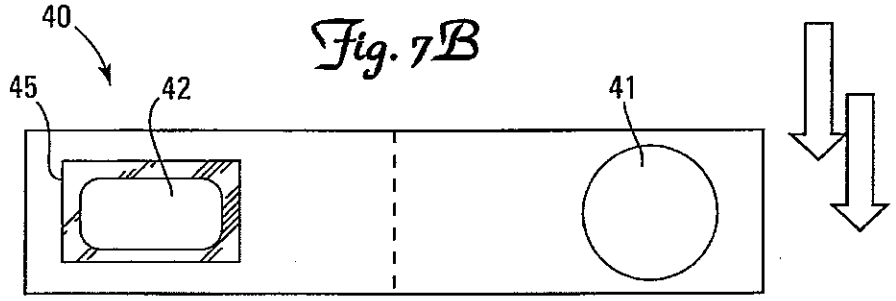
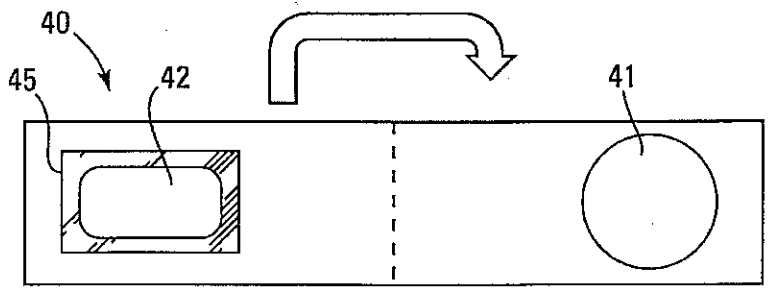


Fig. 7A

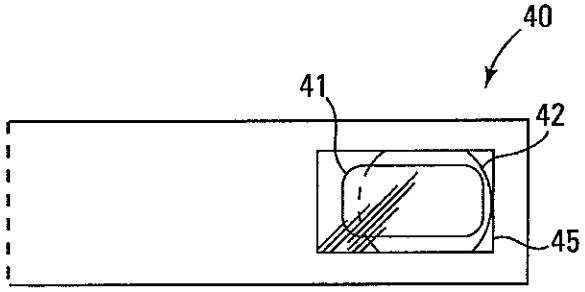
Fig. 7B



Stick, with 2 seperate pads; load sample at one end

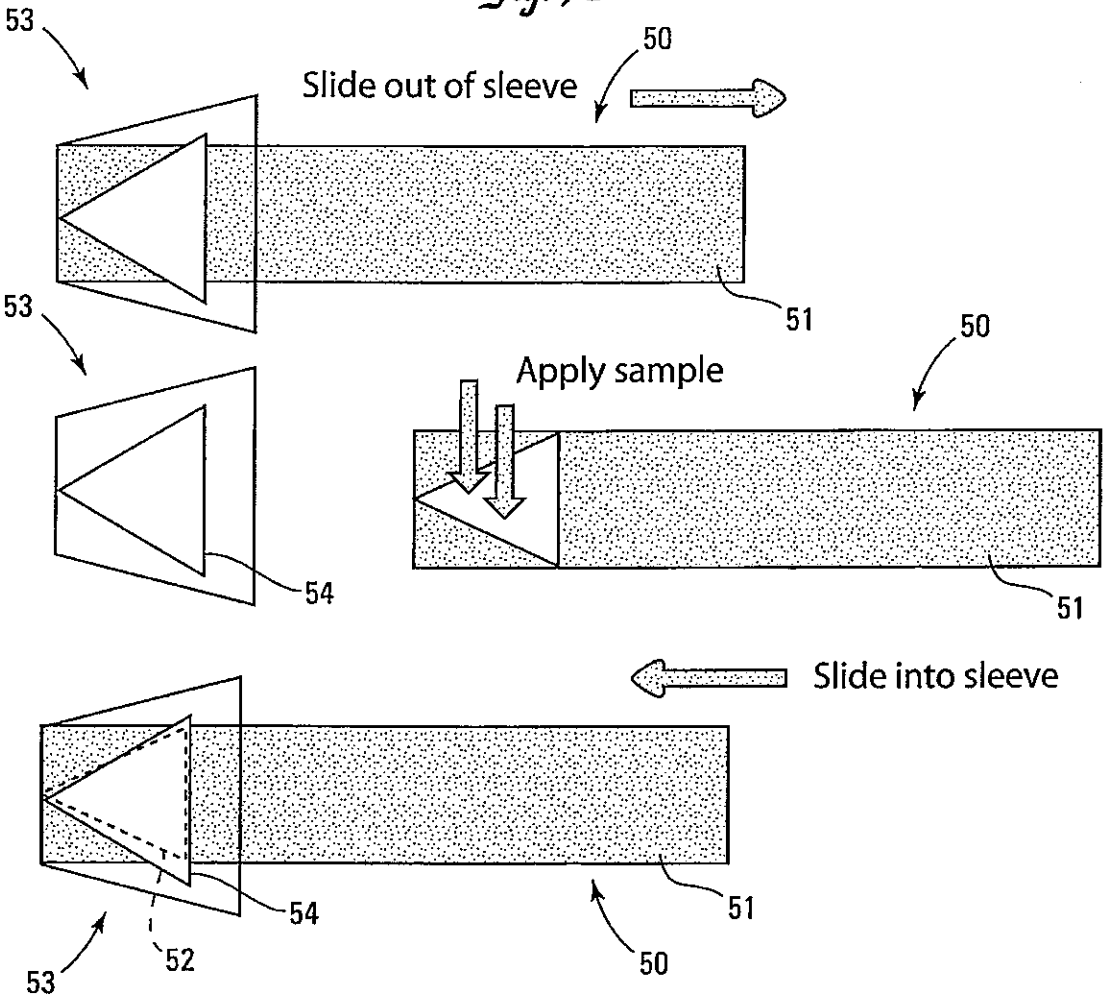


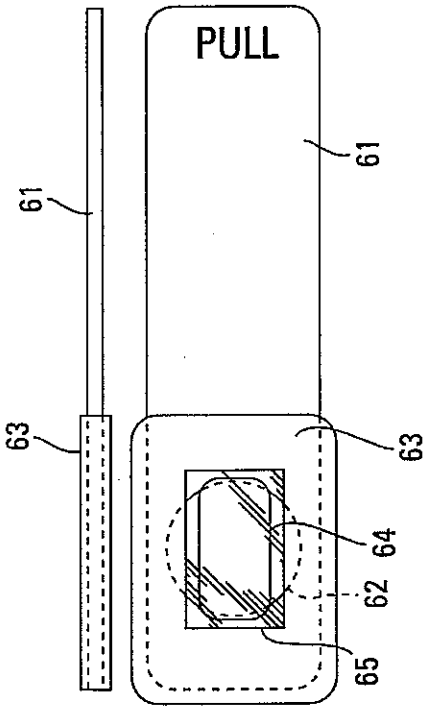
Fold, at score mark; squeeze pads together gently



View result through back of reagent pad

Fig. 7C


53
50
Slide out of sleeve
51
53
50
Apply sample
54
51
Slide into sleeve
54
51
53
52
50



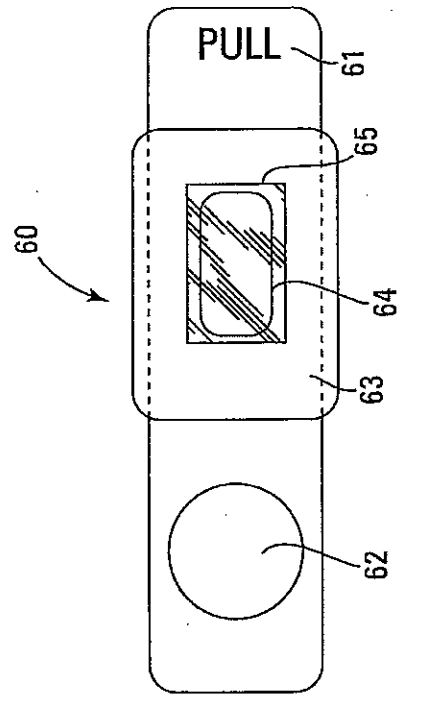


Fig. 7D

Fig. 8A

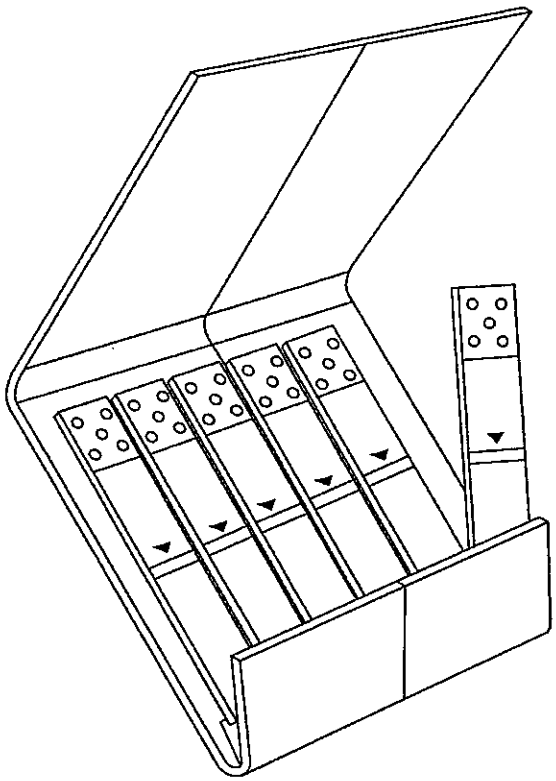
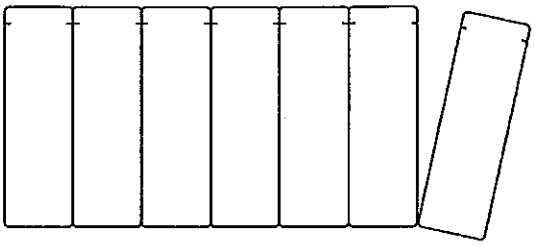


Fig. 8B



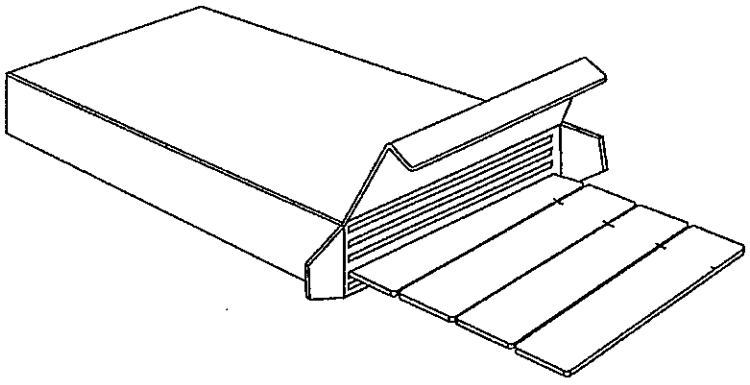


Fig. 8C

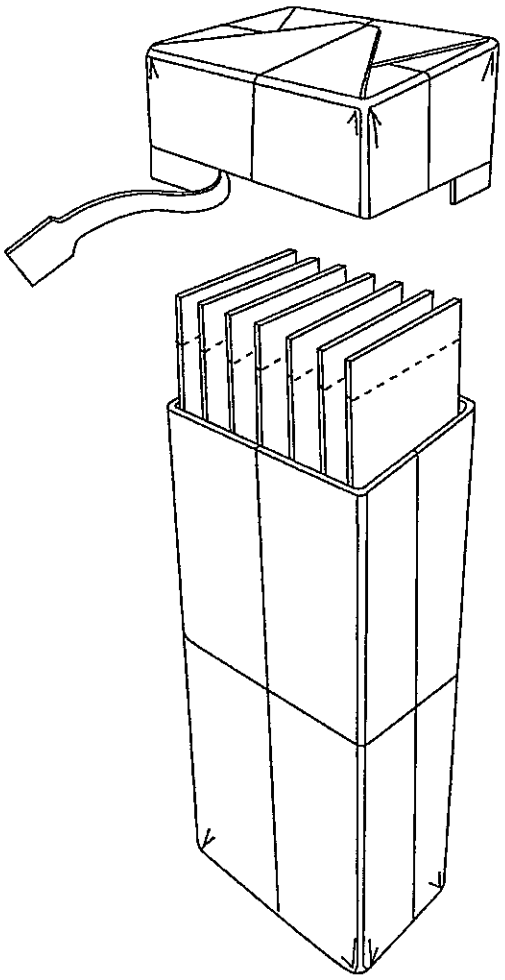


Fig. 8D

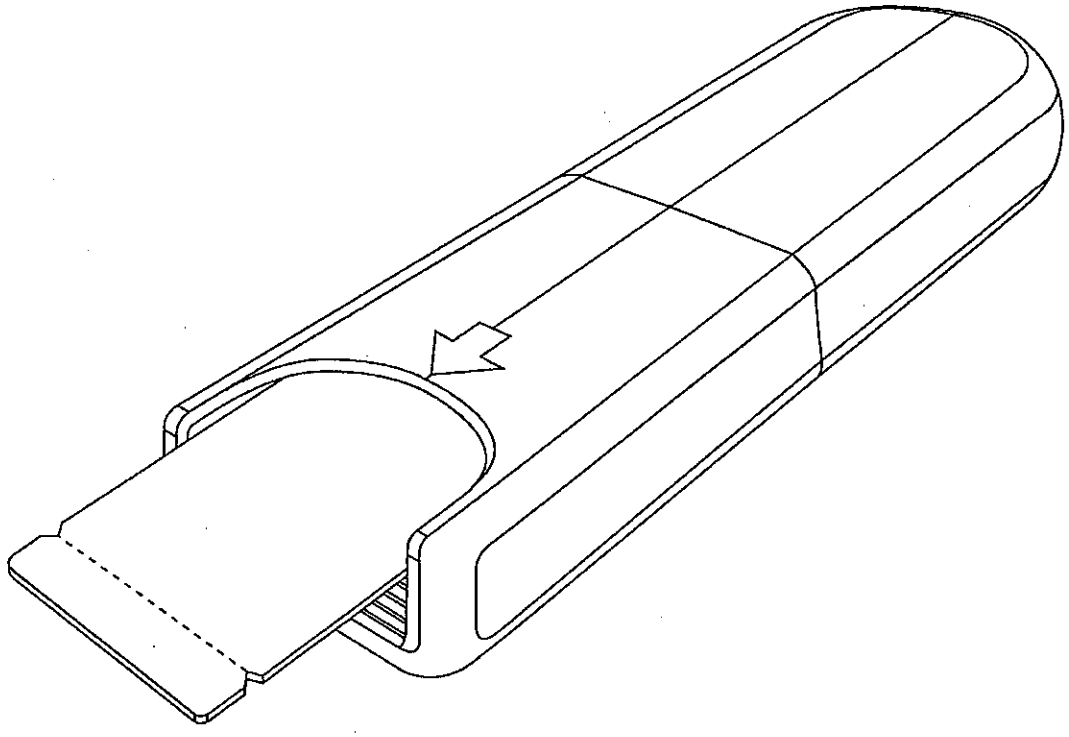


Fig. 8E

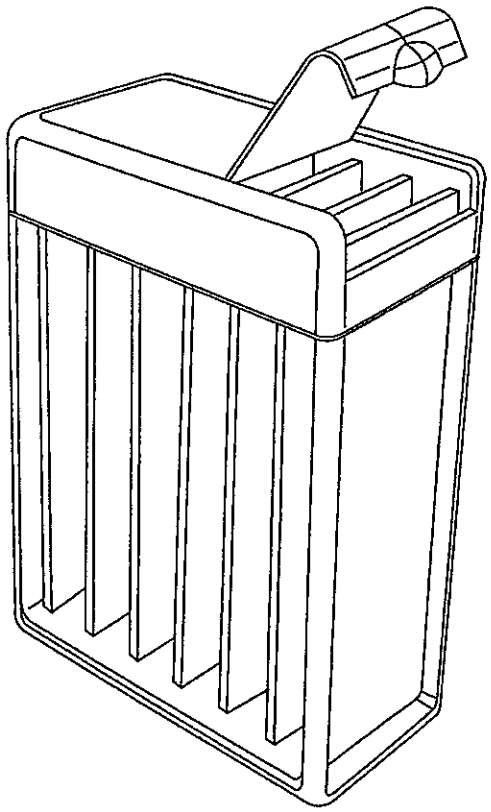


Fig. 8F

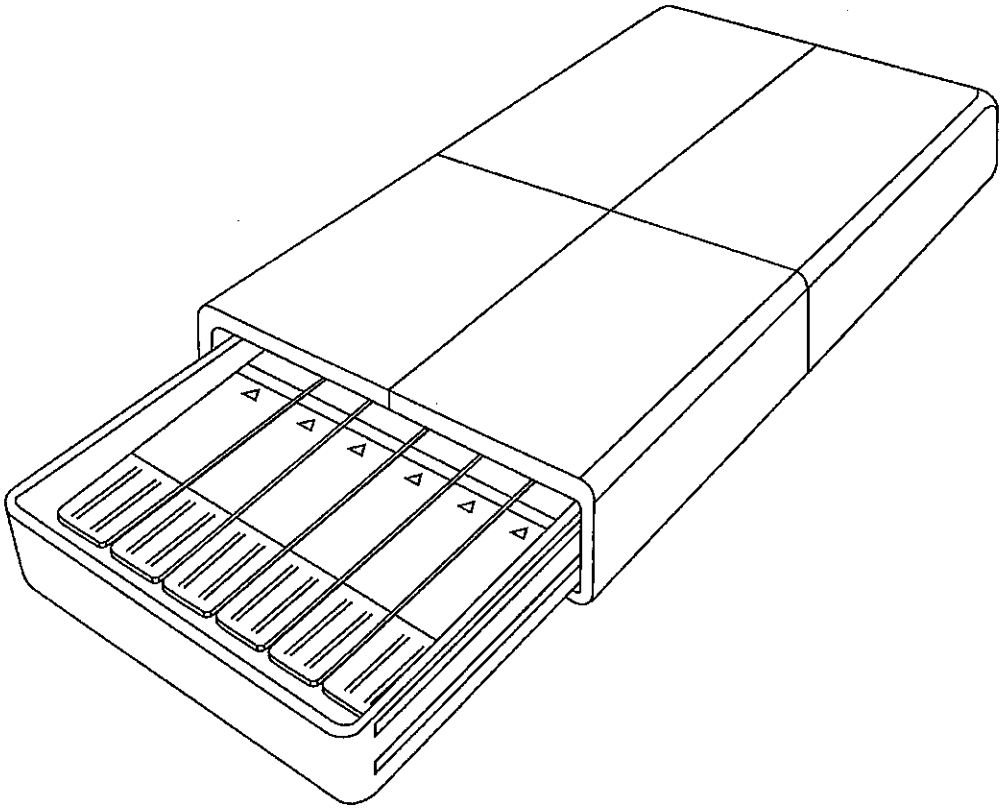
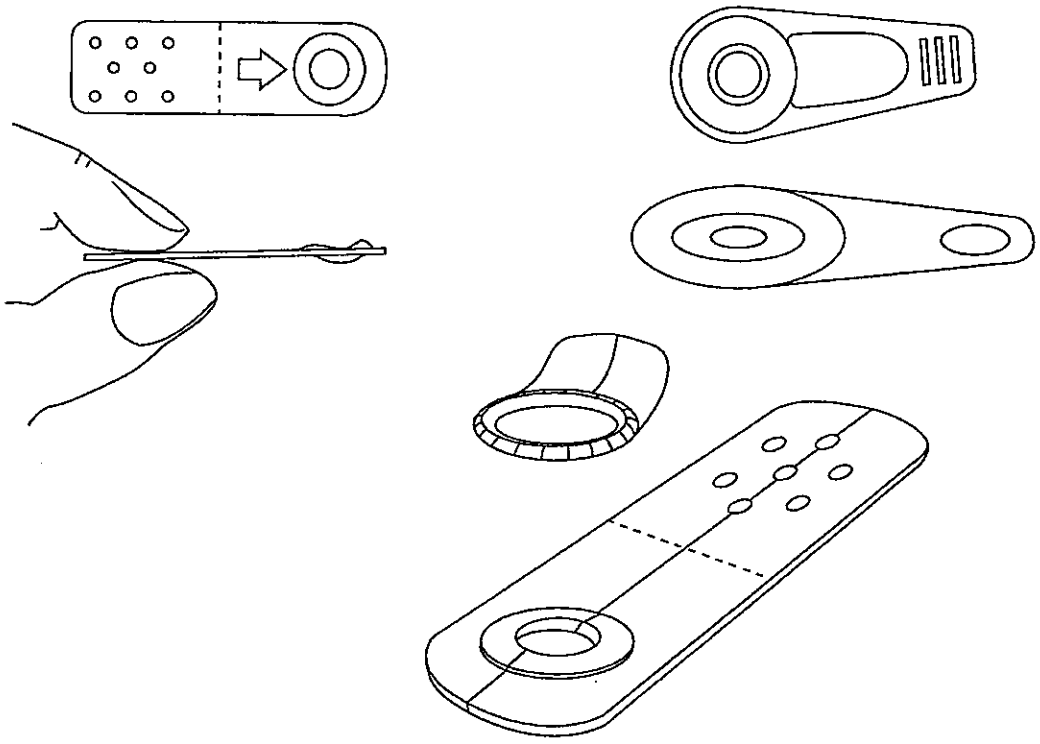


Fig. 9



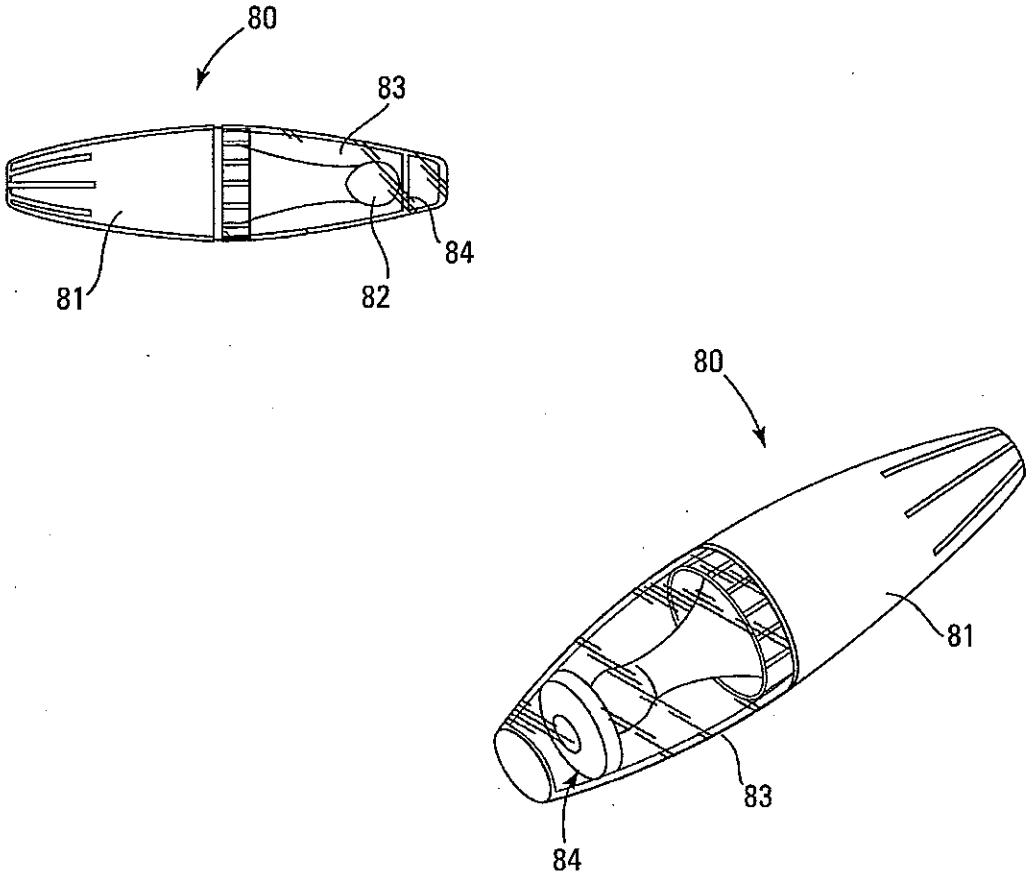


Fig. 10

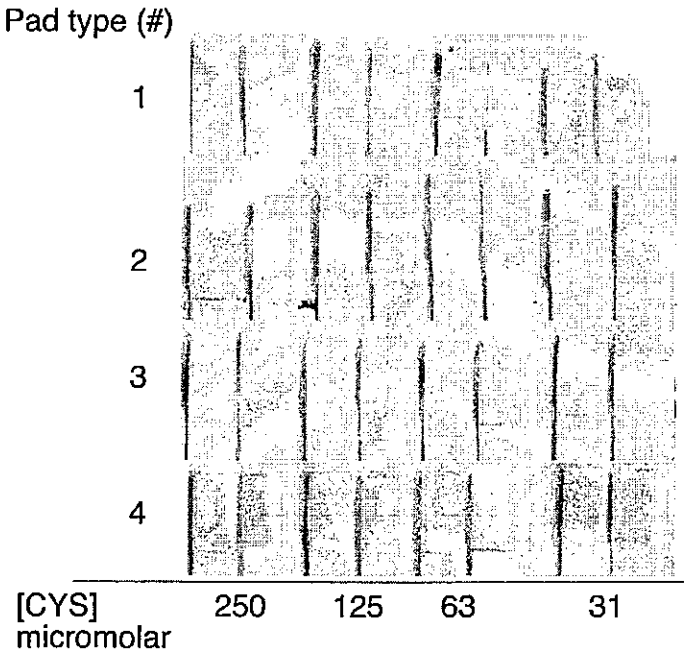


Fig. 11

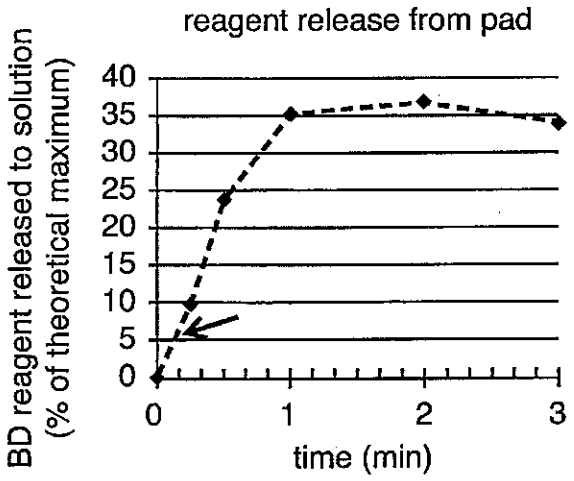

reagent release from pad
BD reagent released to solution
(% of theoretical maximum)
40
35
30
25
20
15
10
5
0
0
1
2
3
time (min)

Fig. 12

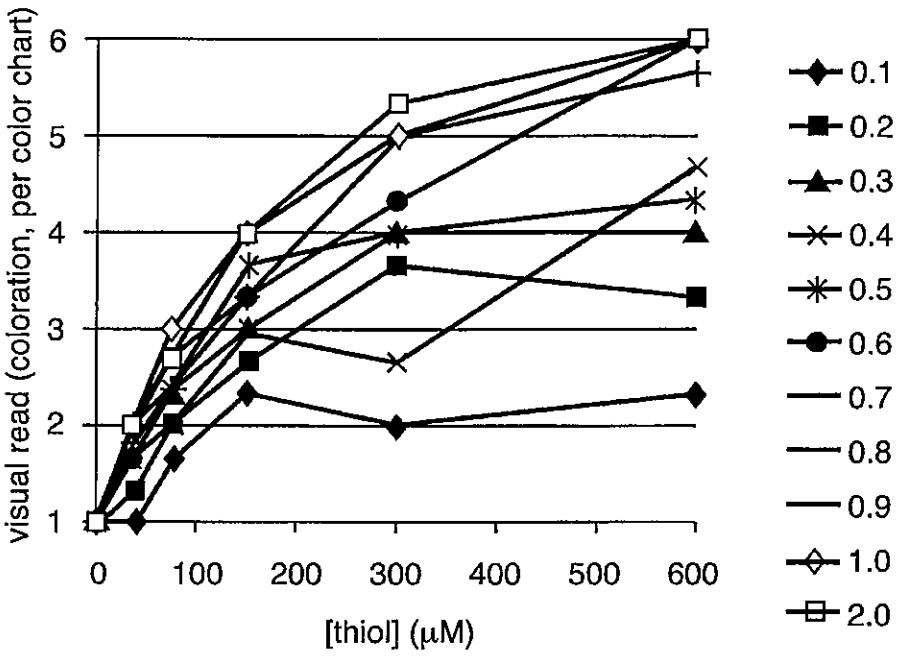

visual read (coloration, per color chart)
1
2
3
4
5
6
0
100
200
300
400
500
600
[thiol] (μM)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
2.0

Fig. 13