Figure 1

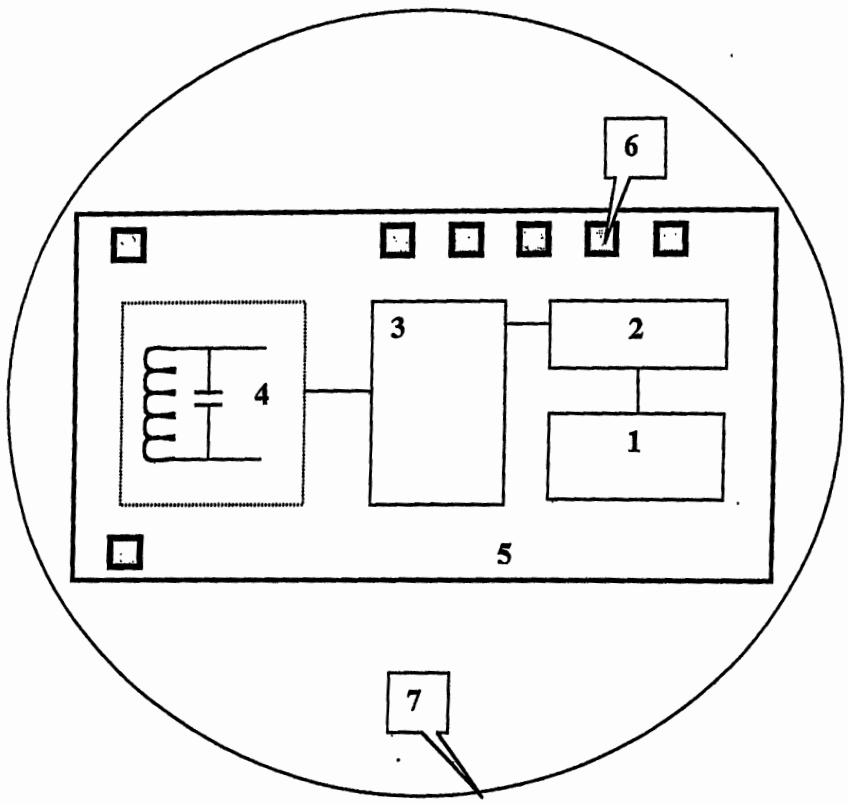
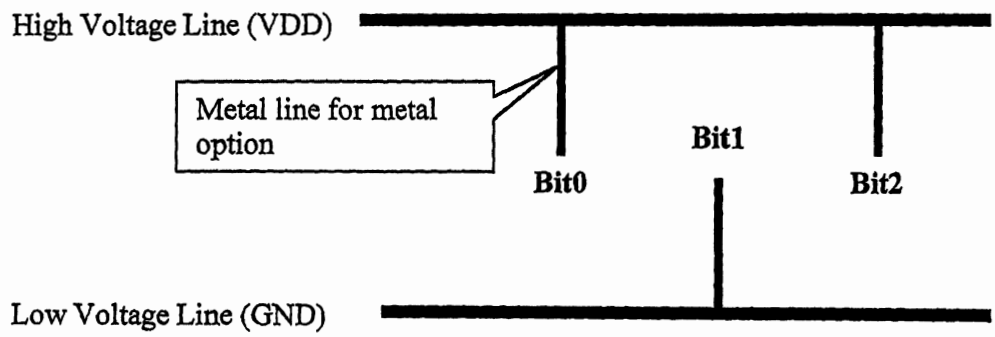


Figure 2



Bit0= 0 or 1
Bit1= 0 or 1
Bit2= 0 or 1
Bit3= 0 or 1
Bit4= 0 or 1

Figure 3

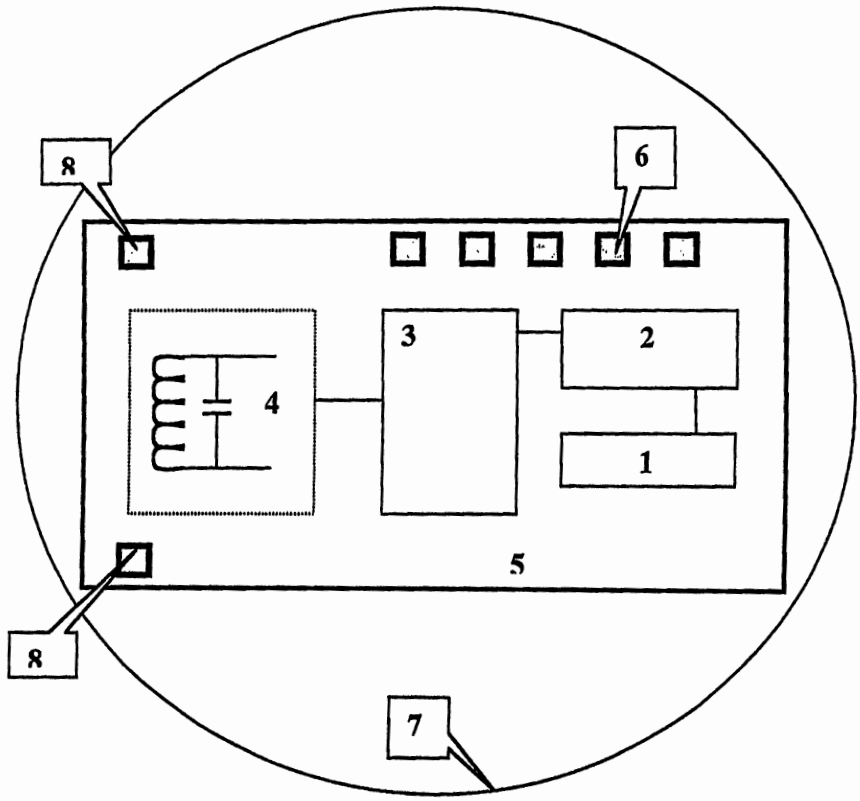


Figure 4

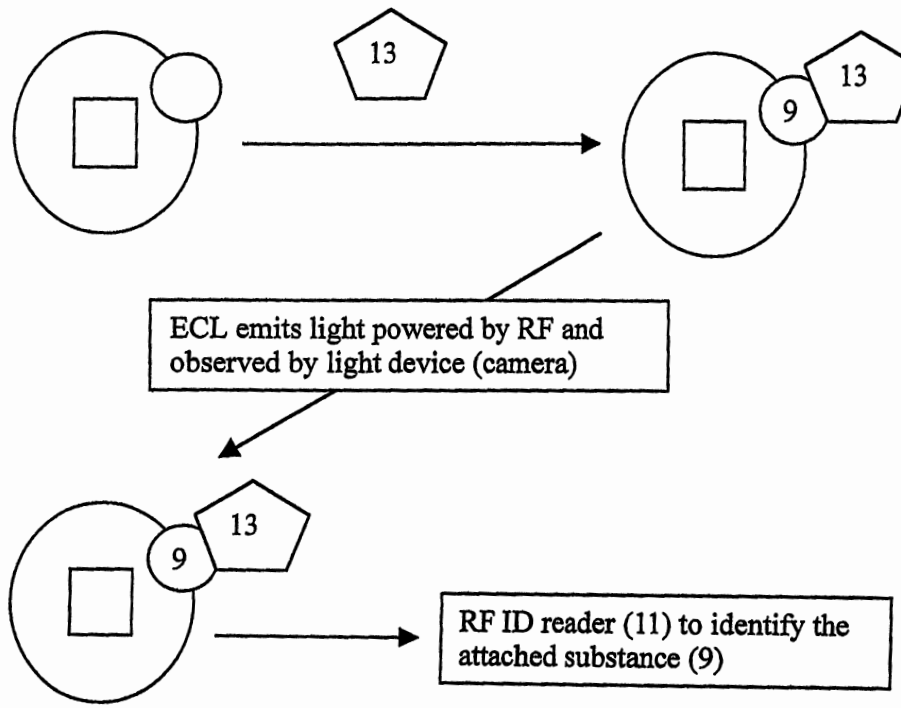

13
13
9
ECL emits light powered by RF and observed by light device (camera)
13
9
RF ID reader (11) to identify the attached substance (9)

Figure 5

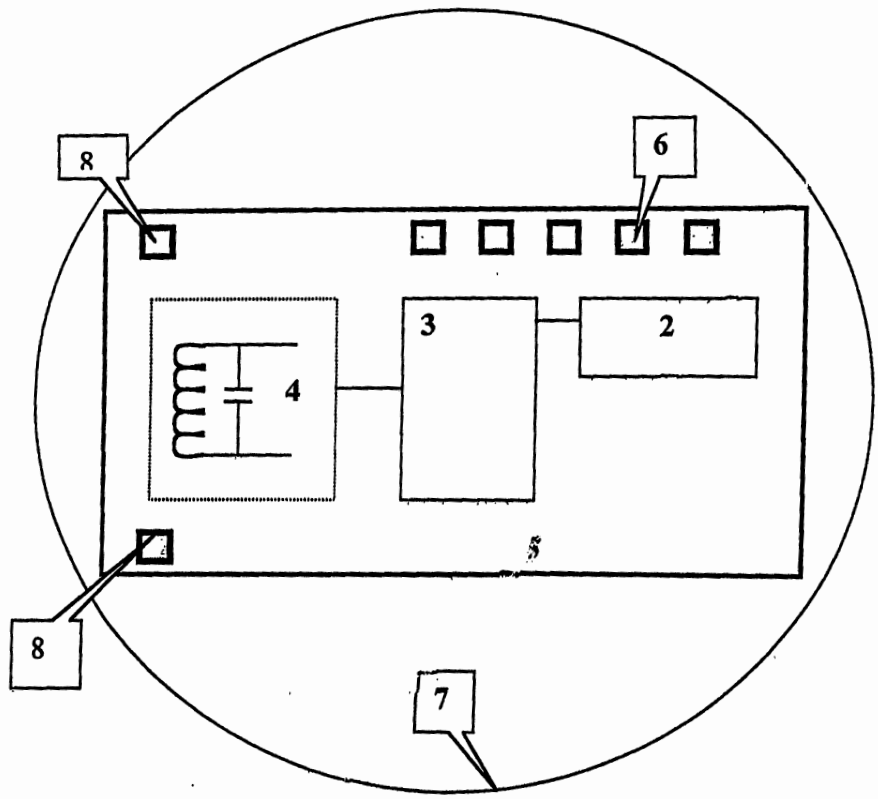


Figure 6

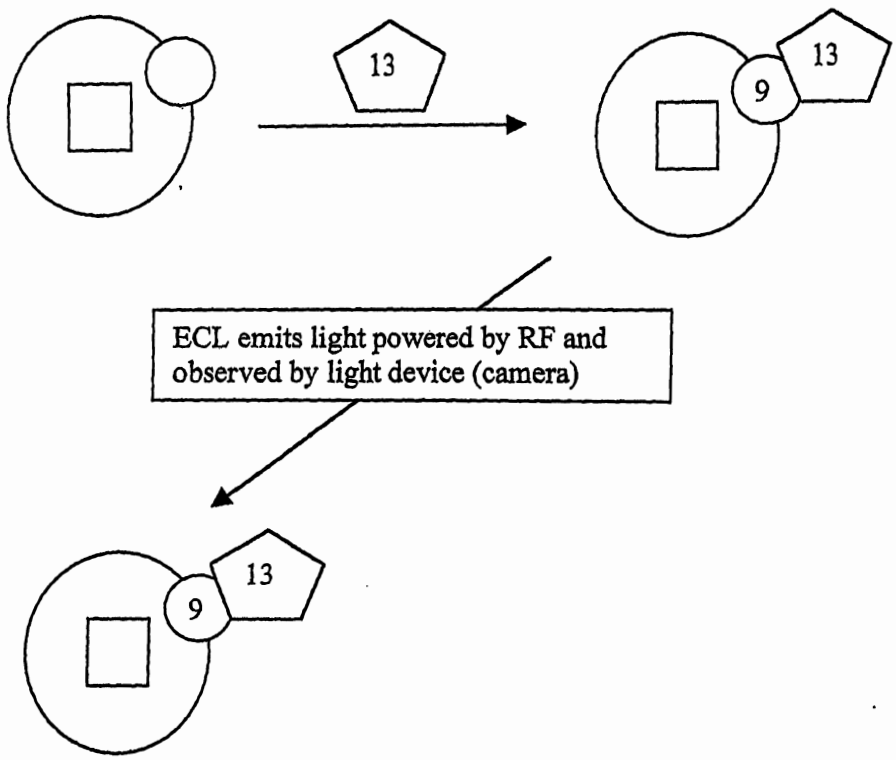

13
13
9
ECL emits light powered by RF and observed by light device (camera)
13
9

Figure 7

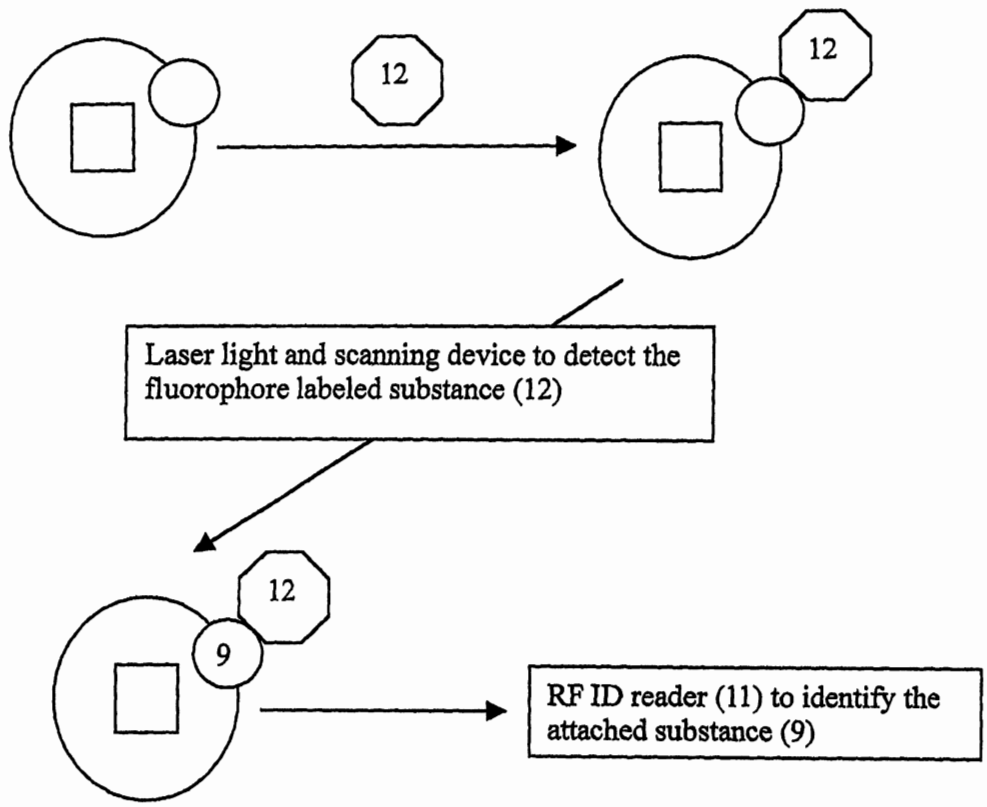

12
12
Laser light and scanning device to detect the fluorophore labeled substance (12)
12
9
RF ID reader (11) to identify the attached substance (9)

Figure 8

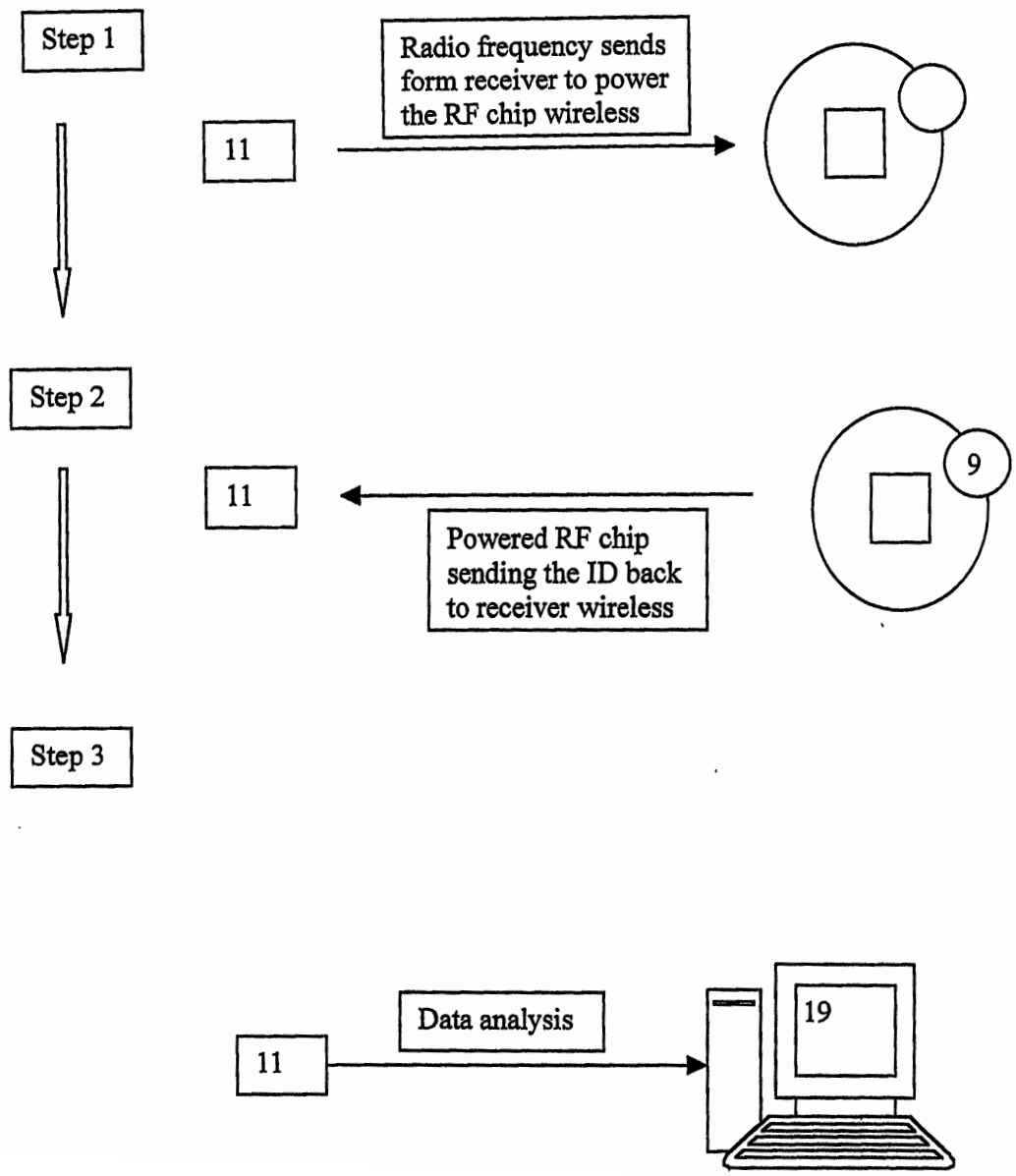

Step 1
11
Radio frequency sends form receiver to power the RF chip wireless
Step 2
11
9
Powered RF chip sending the ID back to receiver wireless
Step 3
11
Data analysis
19

Figure 9

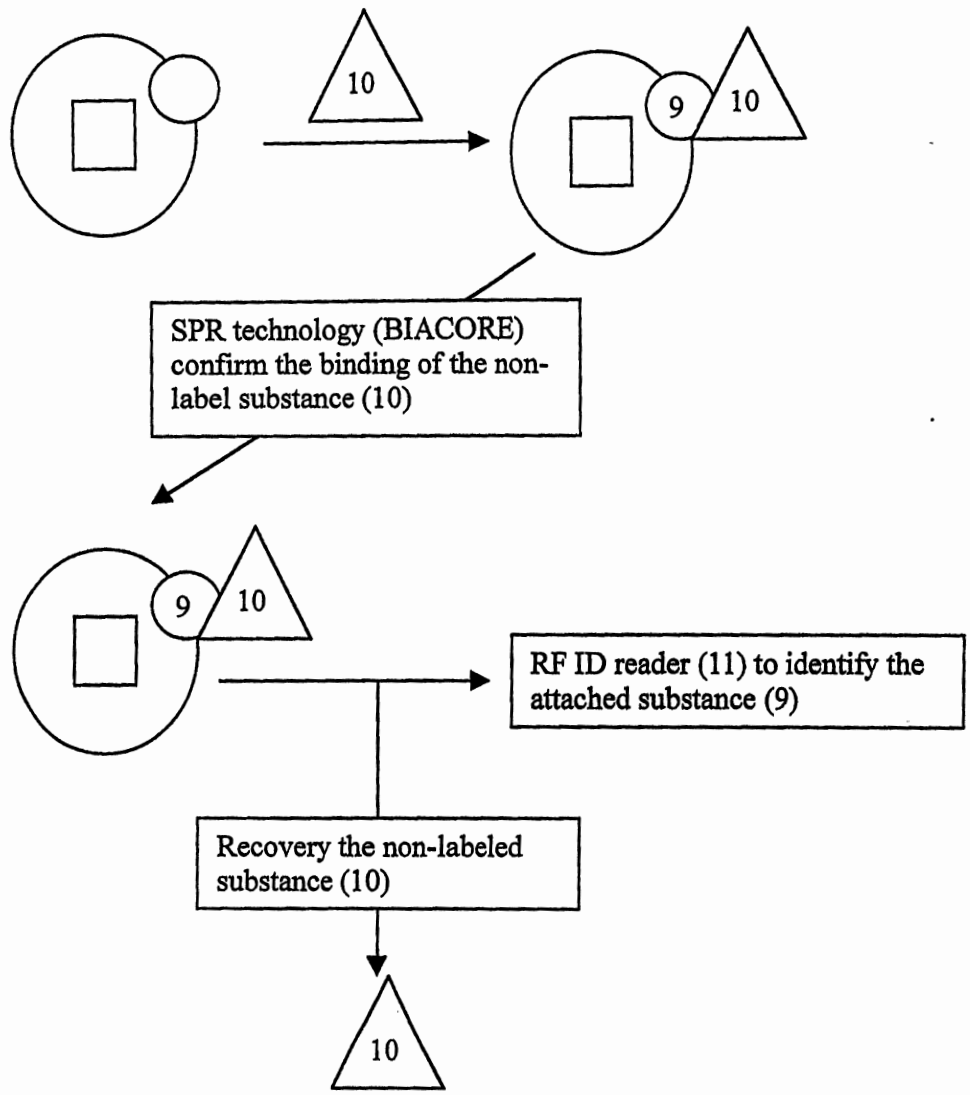

10
9
10
SPR technology (BIACORE) confirm the binding of the non-label substance (10)
9
10
RF ID reader (11) to identify the attached substance (9)
Recovery the non-labeled substance (10)
10

Figure 10

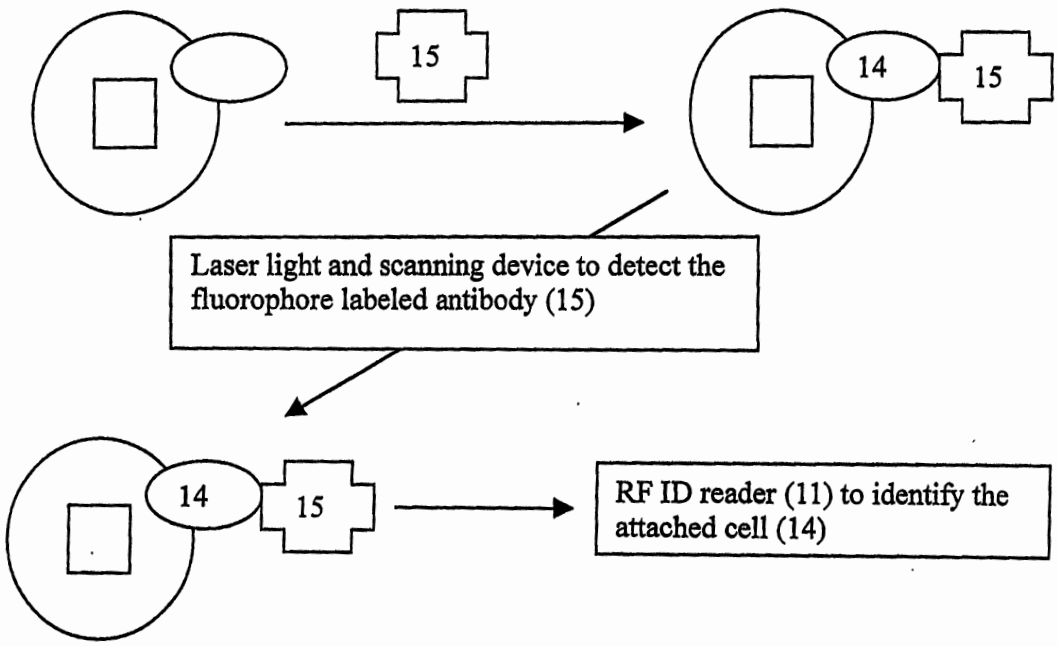

15
14
15
Laser light and scanning device to detect the fluorophore labeled antibody (15)
14
15
RF ID reader (11) to identify the attached cell (14)

Figure 11

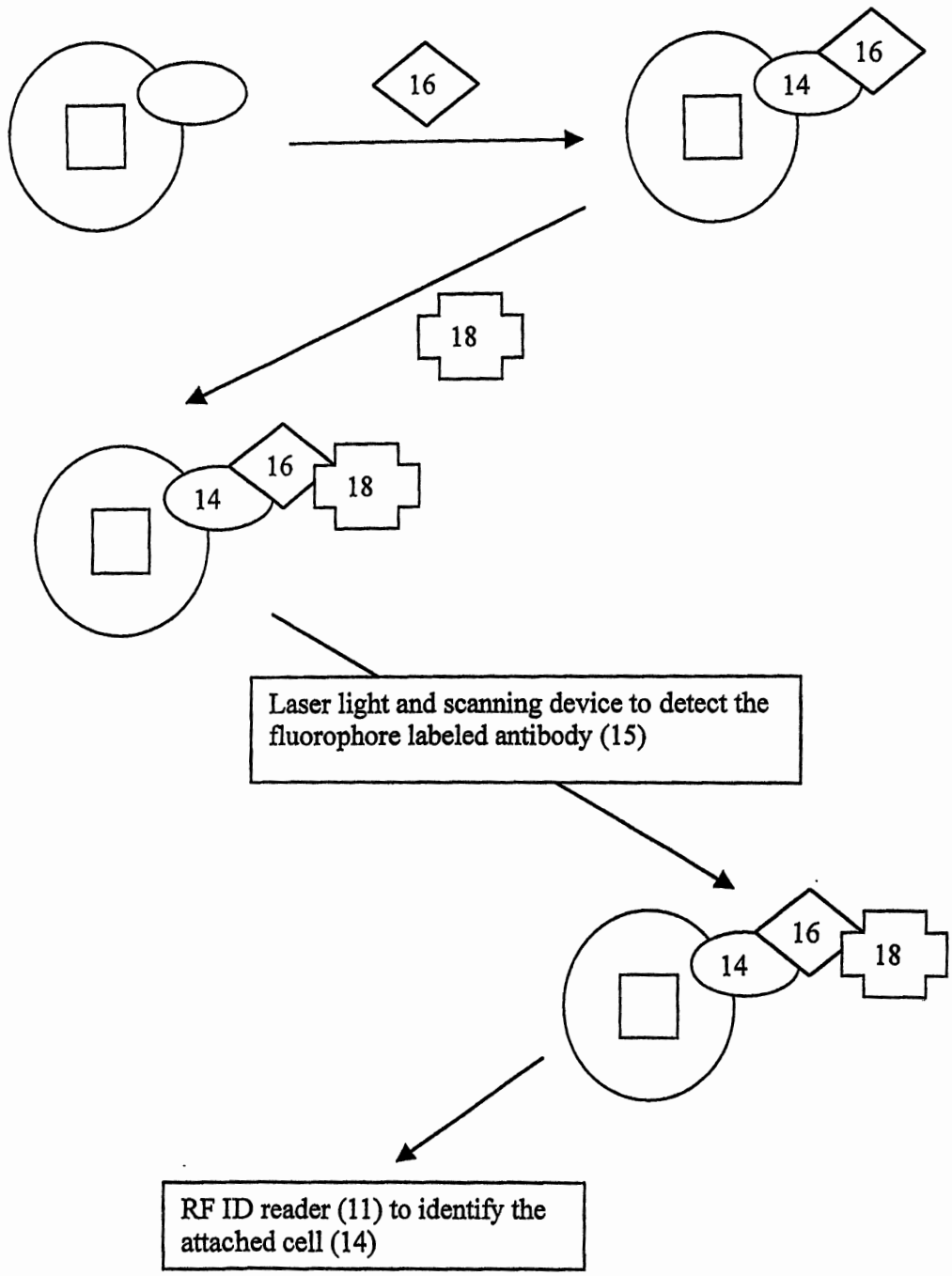
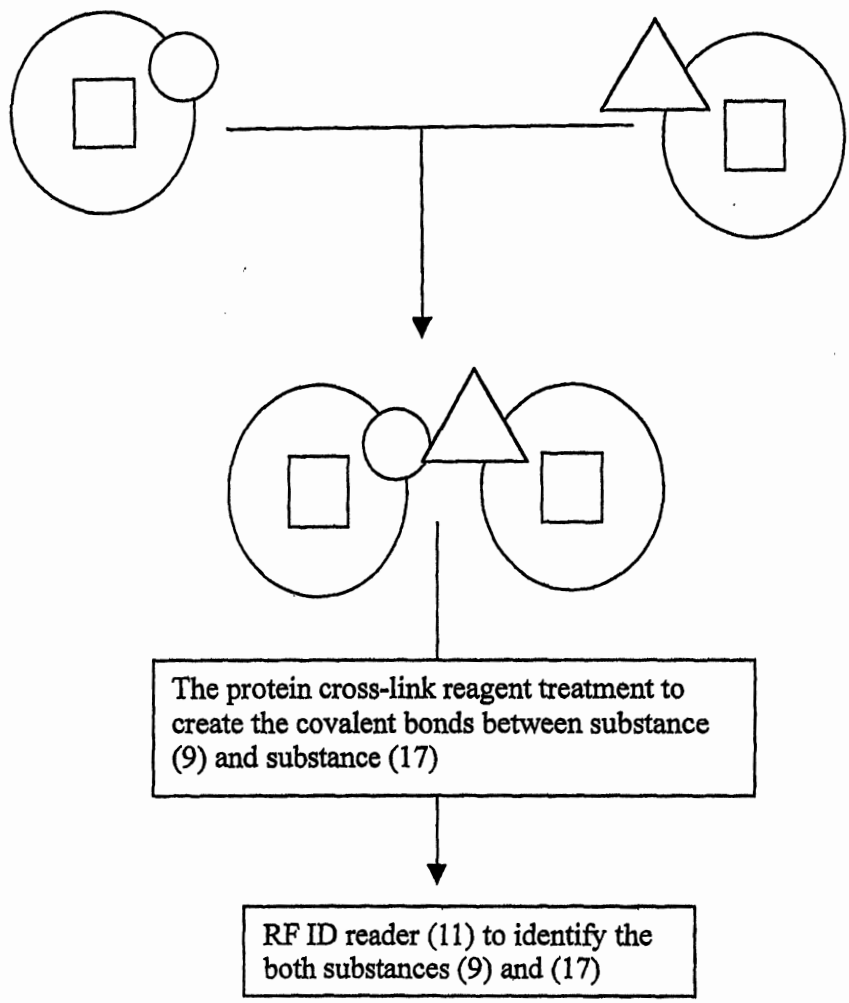

16
16
14
18
16
14
18
Laser light and scanning device to detect the fluorophore labeled antibody (15)
16
14
18
RF ID reader (11) to identify the attached cell (14)

Figure 12


The protein cross-link reagent treatment to create the covalent bonds between substance (9) and substance (17)
RF ID reader (11) to identify the both substances (9) and (17)