**Fig. 1**

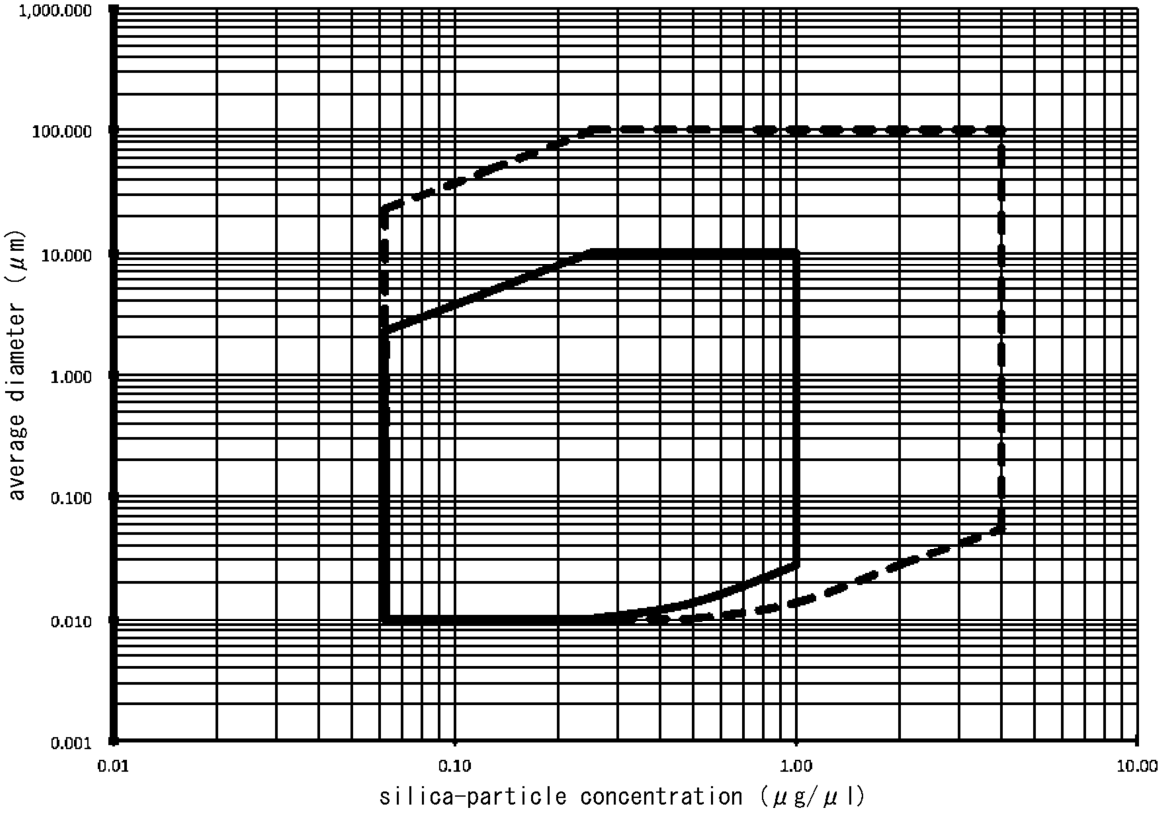

1,000.000
100.000
10.000
1.000
0.100
0.010
0.001
average diameter (μm)
0.01
0.10
1.00
10.00
silica-particle concentration (μg/μl)

**Fig. 2**

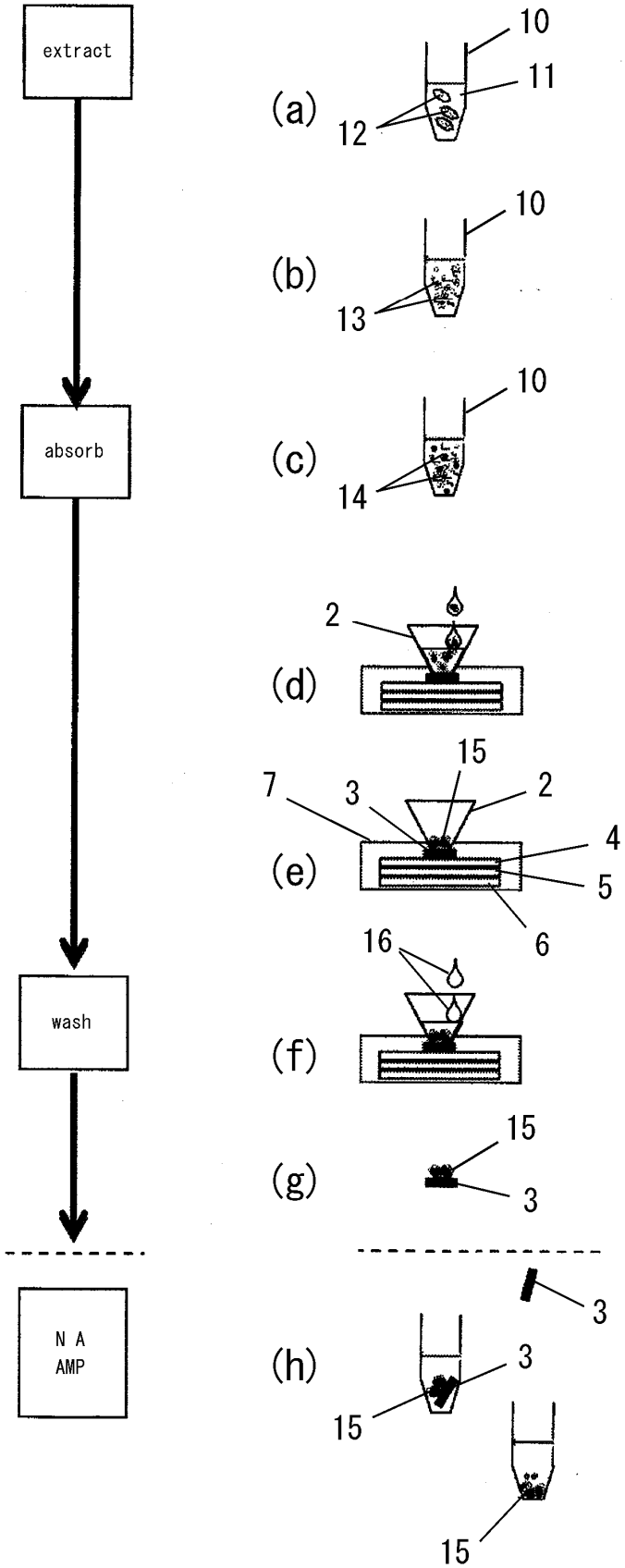

extract
absorb
wash
N A
AMP
(a)
10
11
12
(b)
10
13
(c)
10
14
(d)
2
(e)
15
7
3
2
4
5
6
(f)
16
(g)
15
3
(h)
3
3
15
15

**Fig. 3**

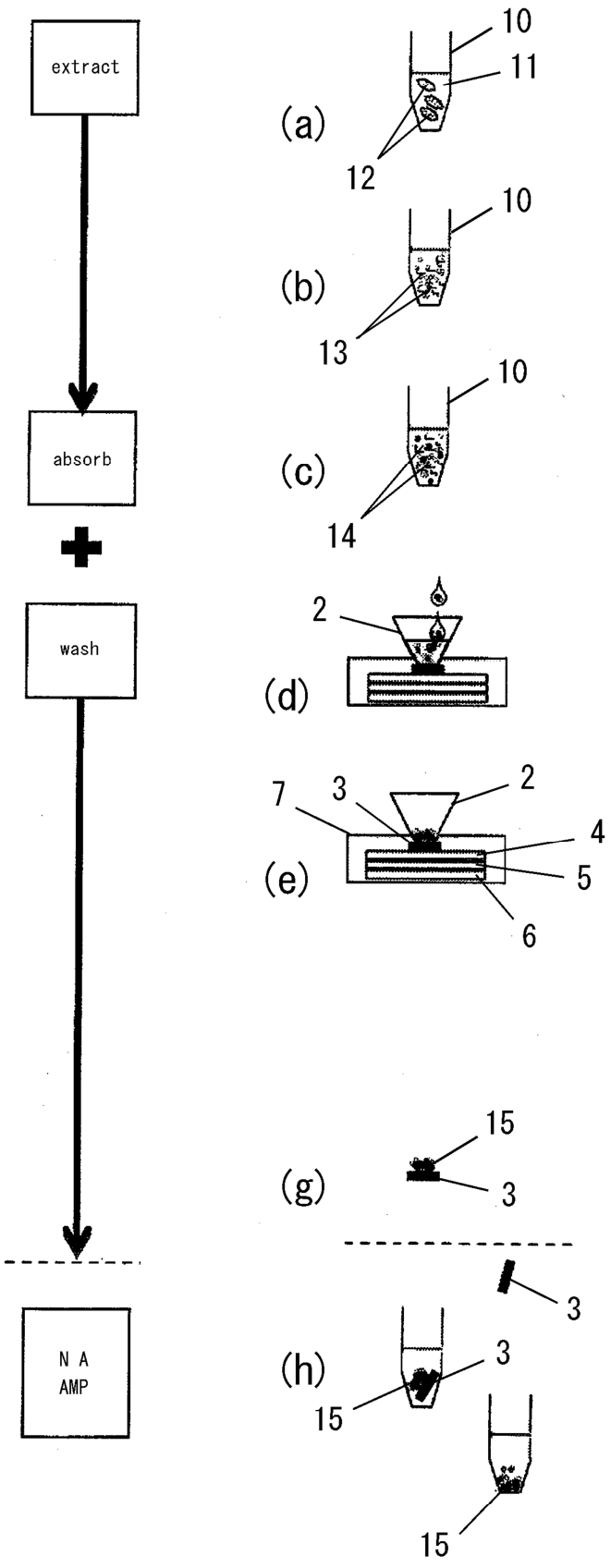

extract
absorb
wash
N A
AMP
(a)
10
11
12
(b)
10
13
(c)
10
14
(d)
2
(e)
7
3
2
4
5
6
(g)
15
3
3
(h)
3
15
15

**Fig. 4**

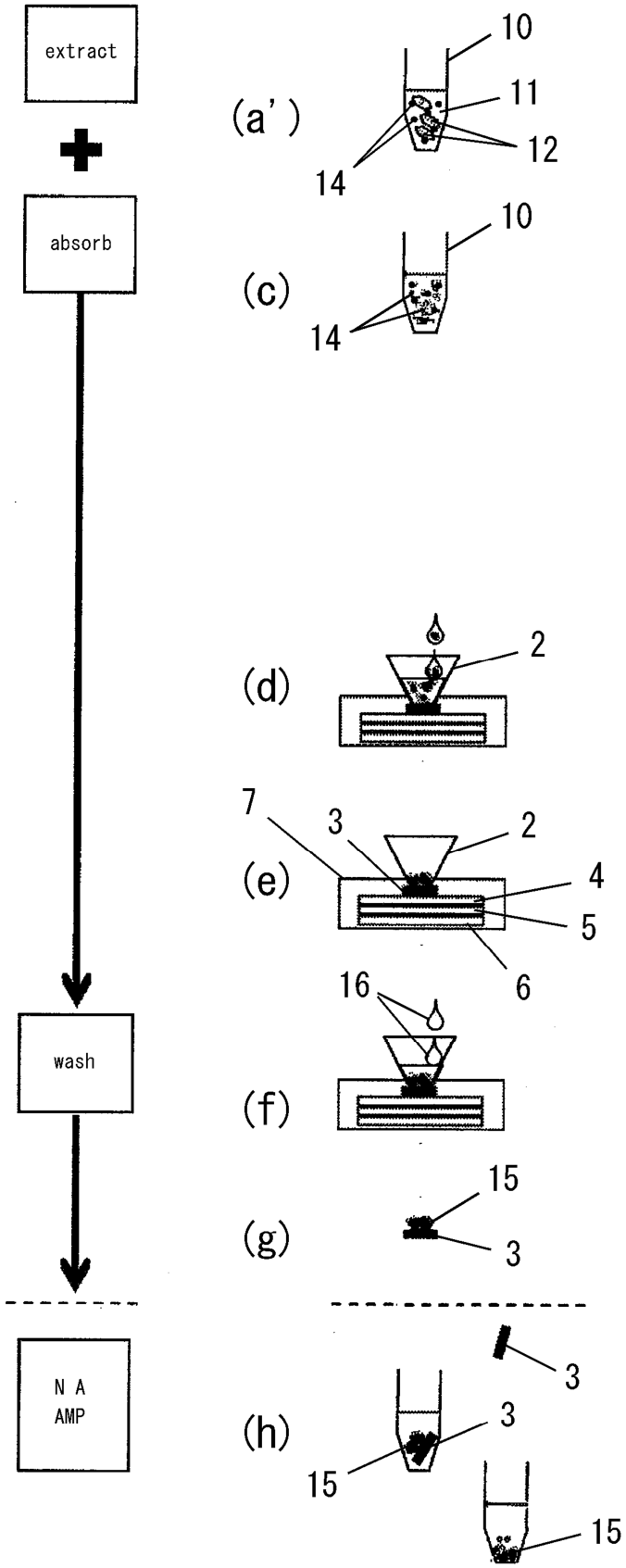

extract
absorb
wash
N A
AMP
(a')
10
11
12
14
(c)
10
14
(d)
2
(e)
7
3
2
4
5
6
(f)
16
(g)
15
3
(h)
3
3
15
15

**Fig. 5**

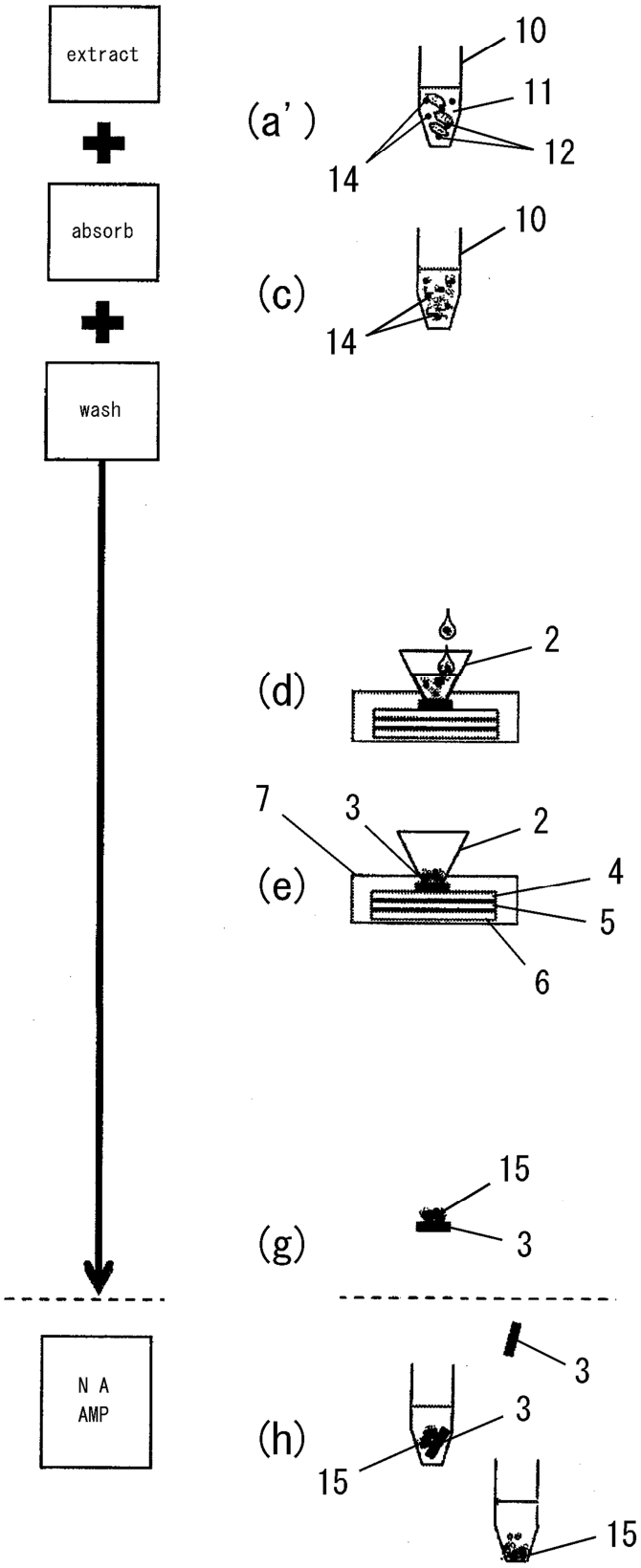

extract
absorb
wash
N A
AMP
(a')
10
11
12
14
(c)
10
14
(d)
2
(e)
7
3
2
4
5
6
(g)
15
3
(h)
3
3
15
15

**Fig. 6**

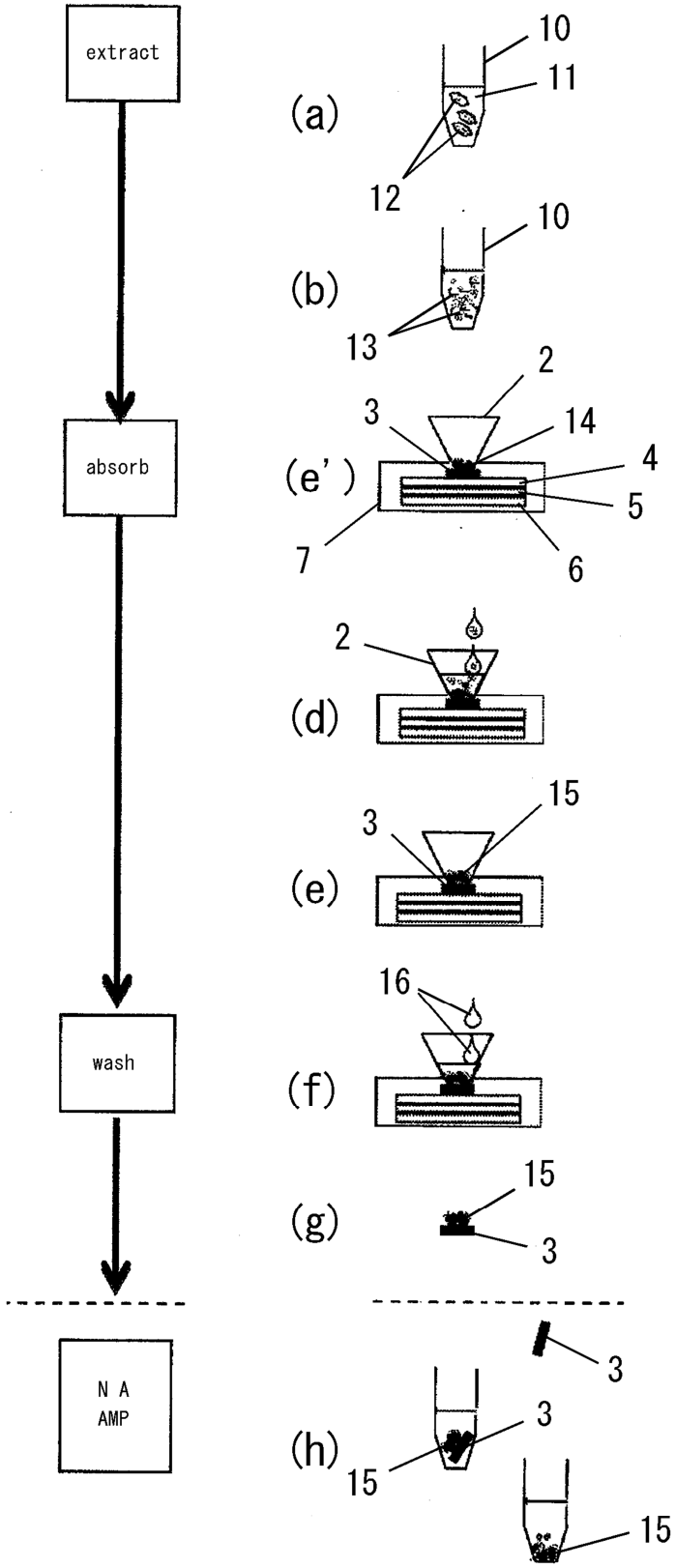
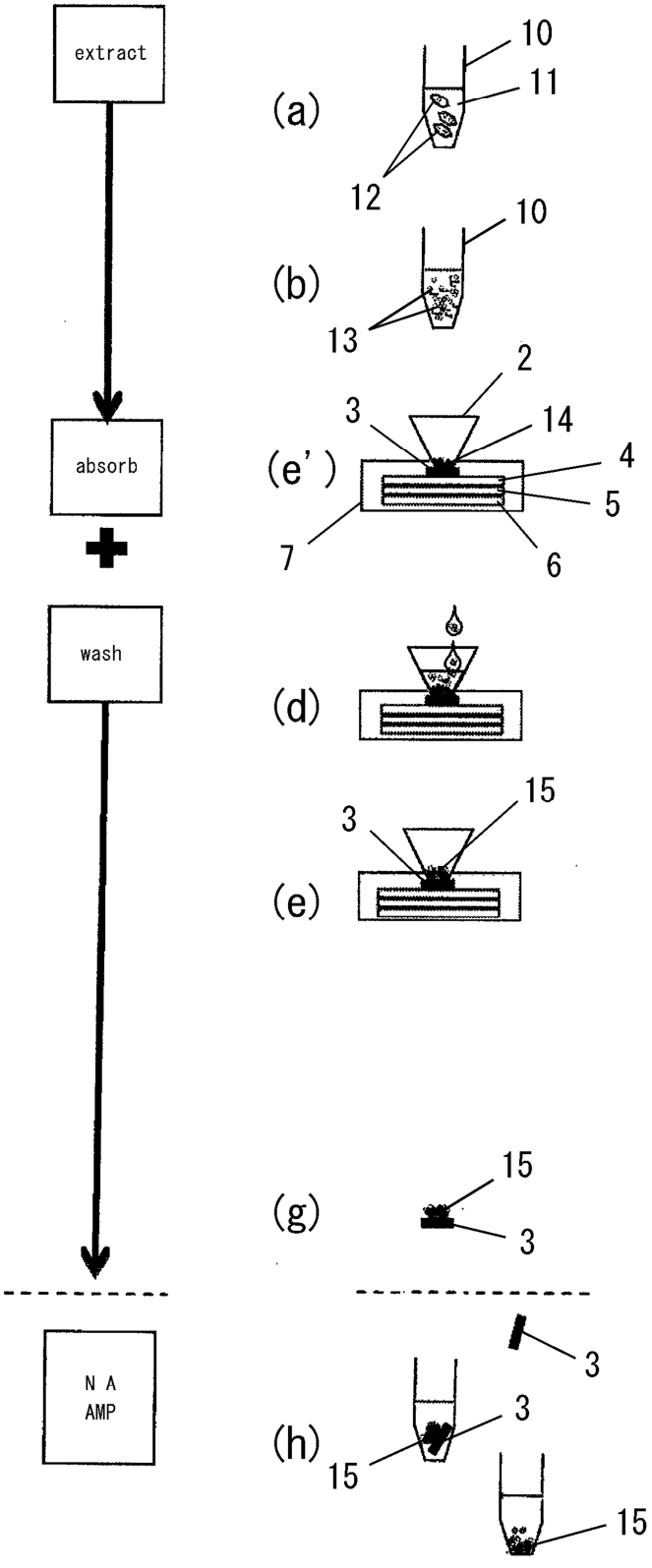

extract
absorb
wash
N A
AMP
(a)
10
11
12
(b)
10
13
(e')
2
3
14
4
5
7
6
(d)
2
(e)
15
3
(f)
16
(g)
15
3
(h)
3
3
15
15

**Fig. 7**


extract
absorb
wash
N A
AMP
(a)
10
11
12
(b)
10
13
(e')
2
3
14
4
5
7
6
(d)
(e)
15
3
(g)
15
3
(h)
3
3
15
15