

Fig. 1

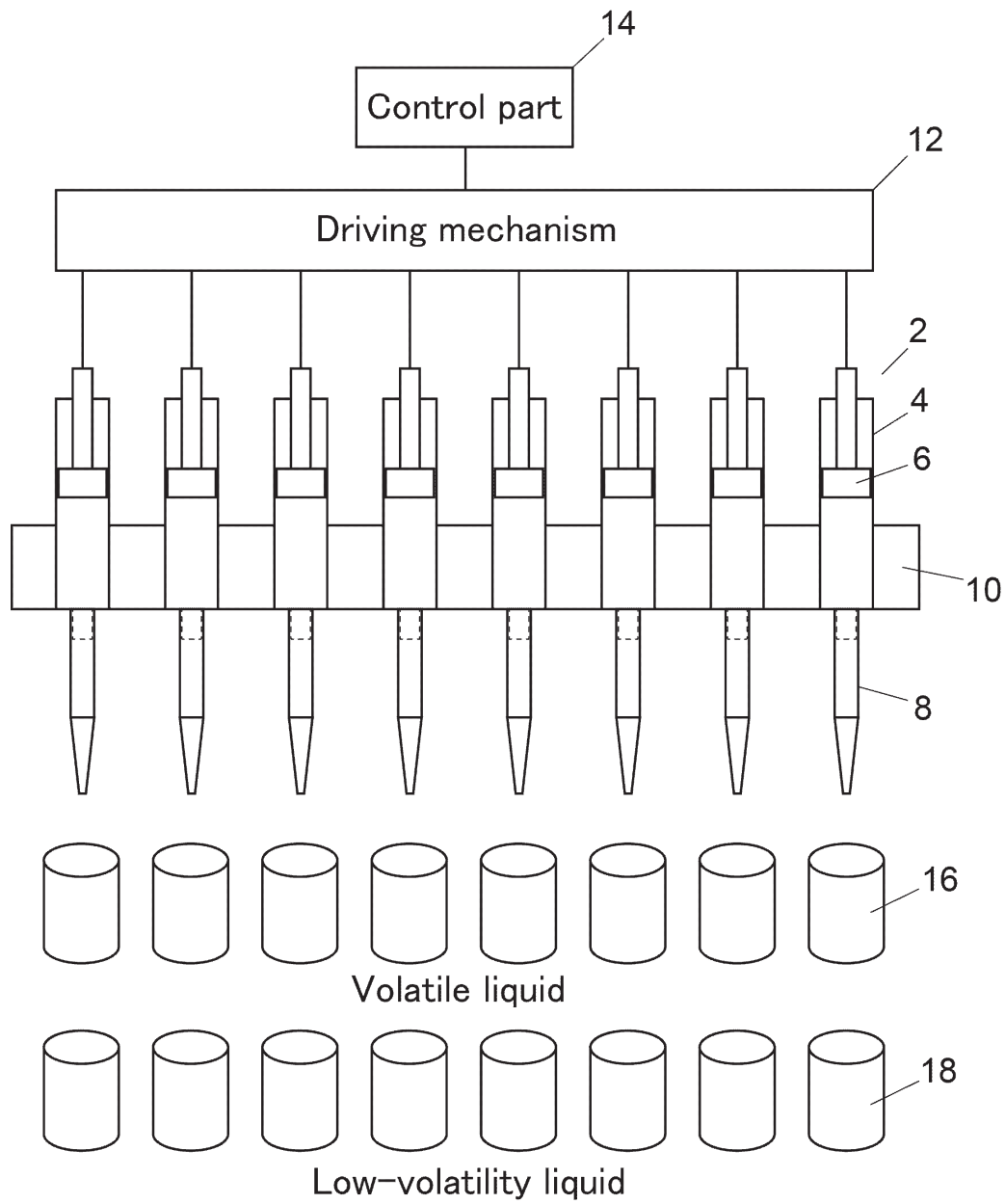


Fig. 2

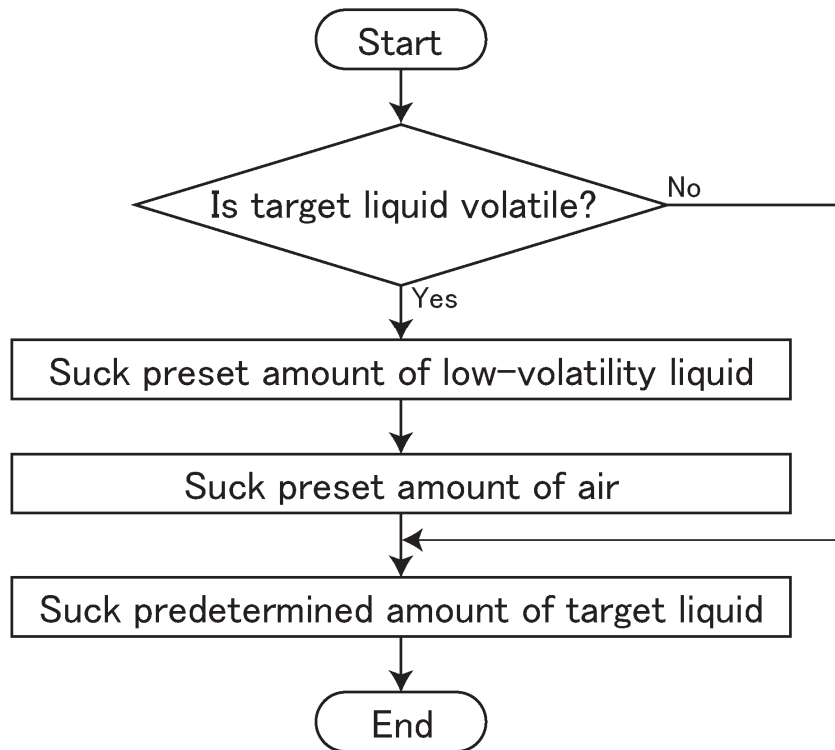


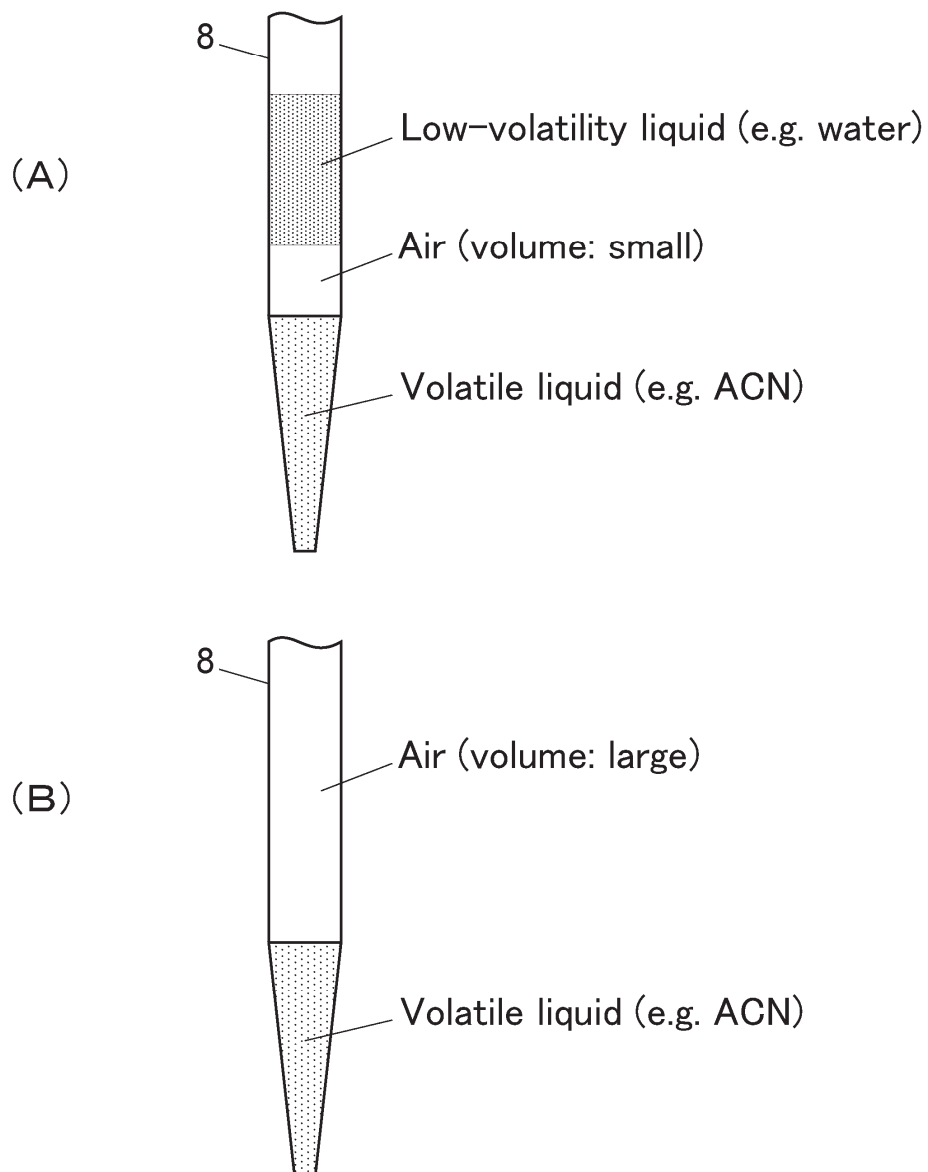
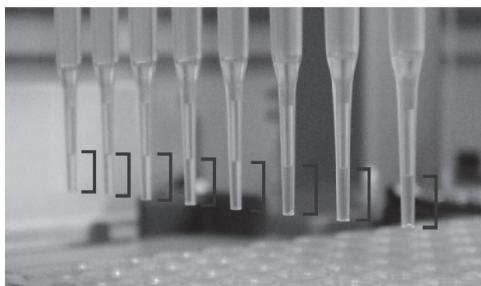
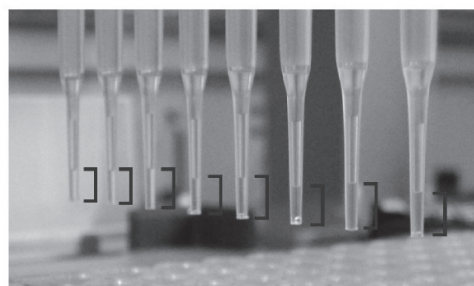
Fig. 3

Fig. 4

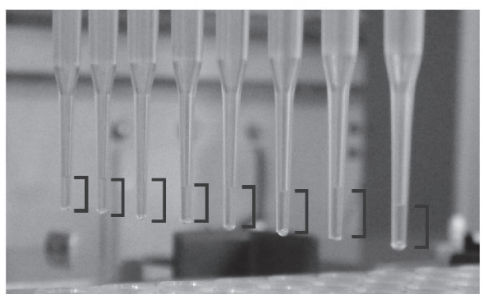
(A) With pre-suction
0 second



After 60 second



(B) Without pre-suction
0 second



After 60 second

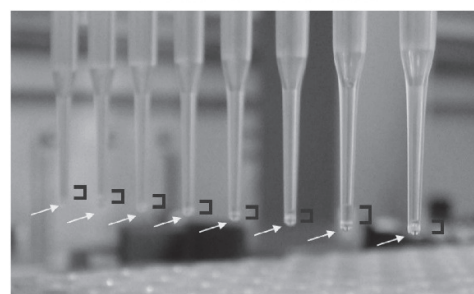


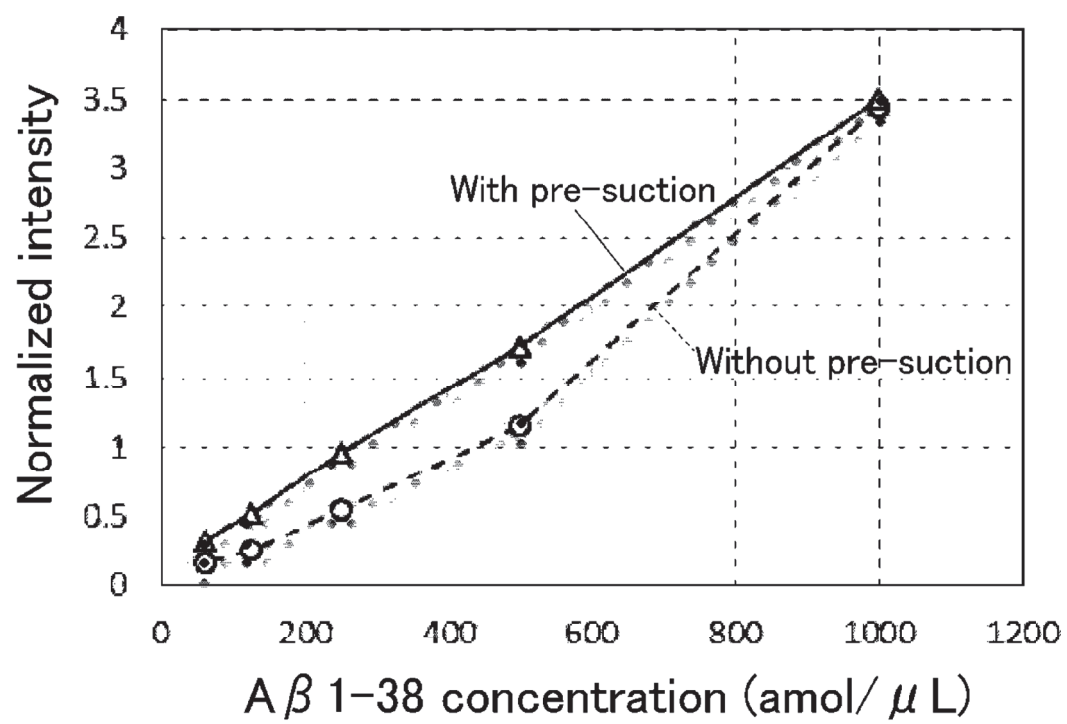
Fig. 5

Fig. 6

Air layer: 2 μ L

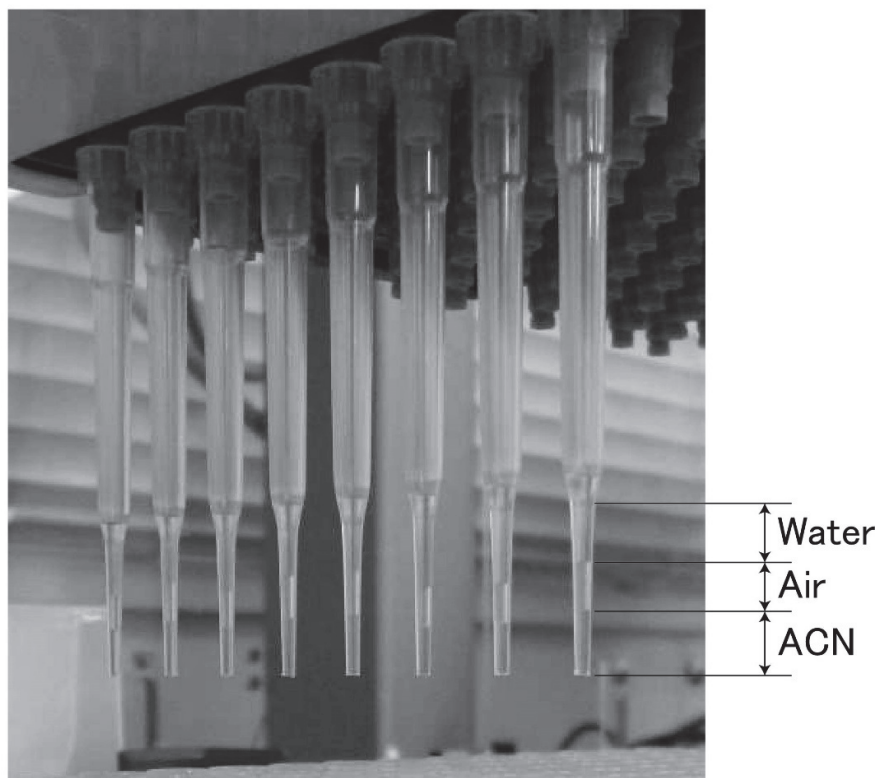


Fig. 7

Air layer: 3 μ L

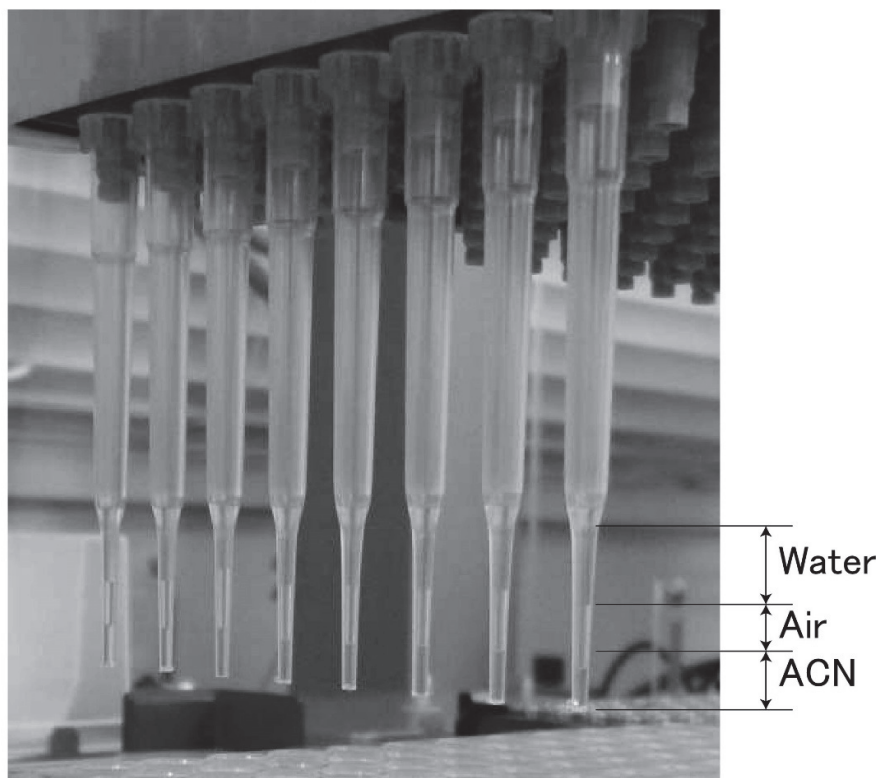


Fig. 8

Air layer: 5 μ L

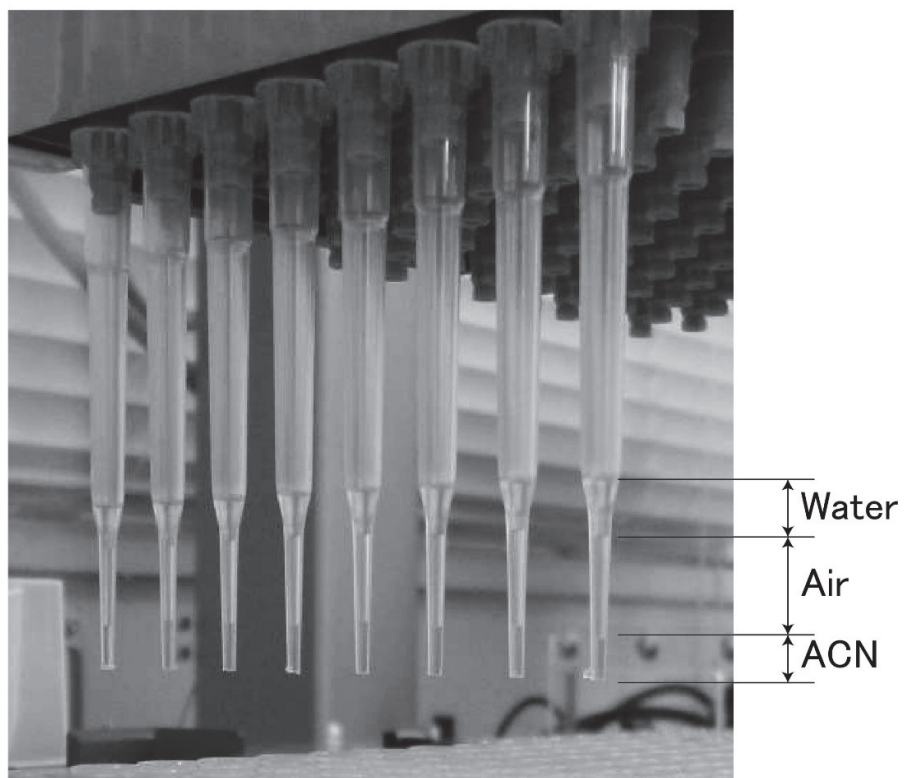


Fig. 9

Air layer: 10 μ L

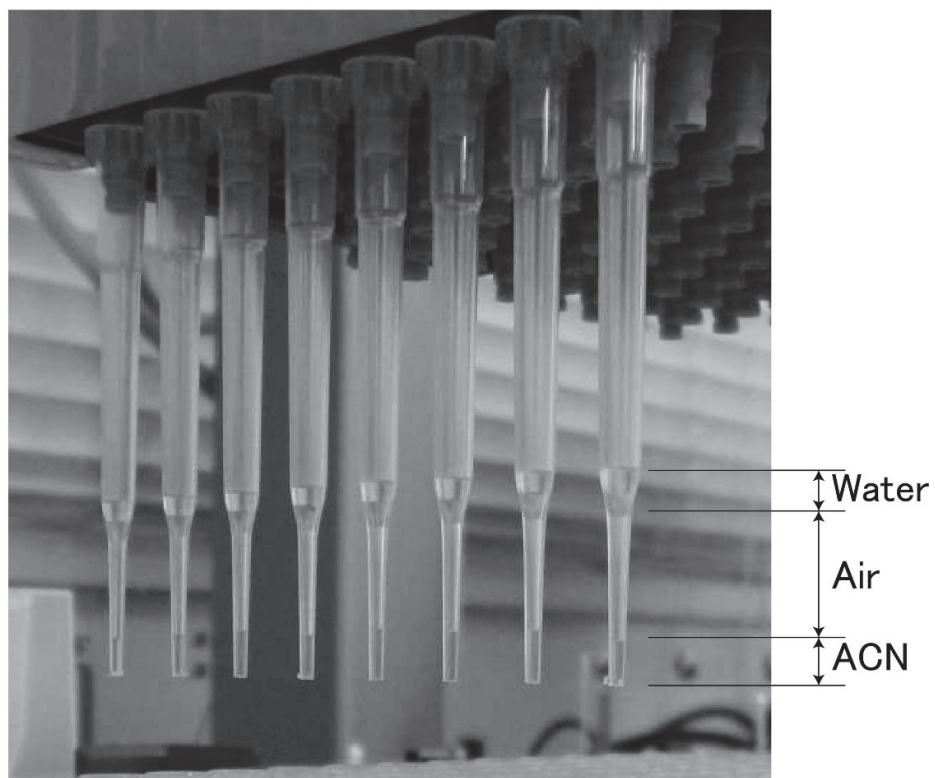


Fig. 10

Air layer: 50 μ L

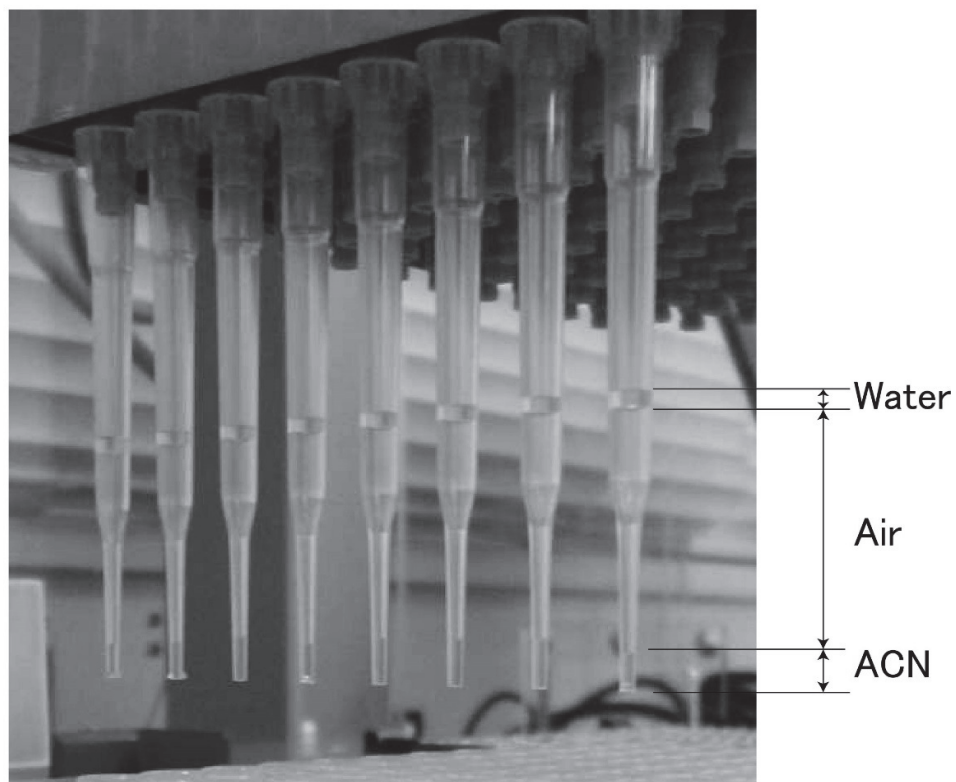


Fig. 11

Air layer: 100 μ L

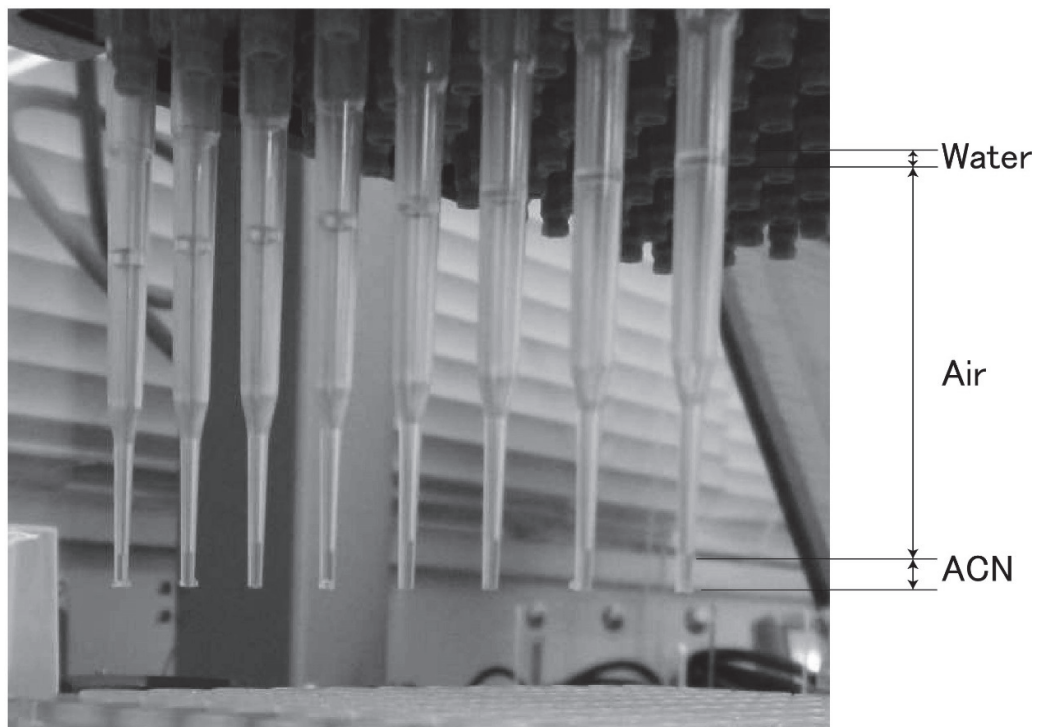


Fig. 12Air layer: 150 μ L