

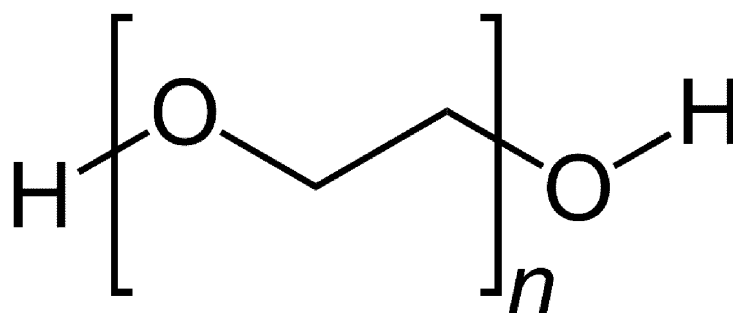


Fig. 1

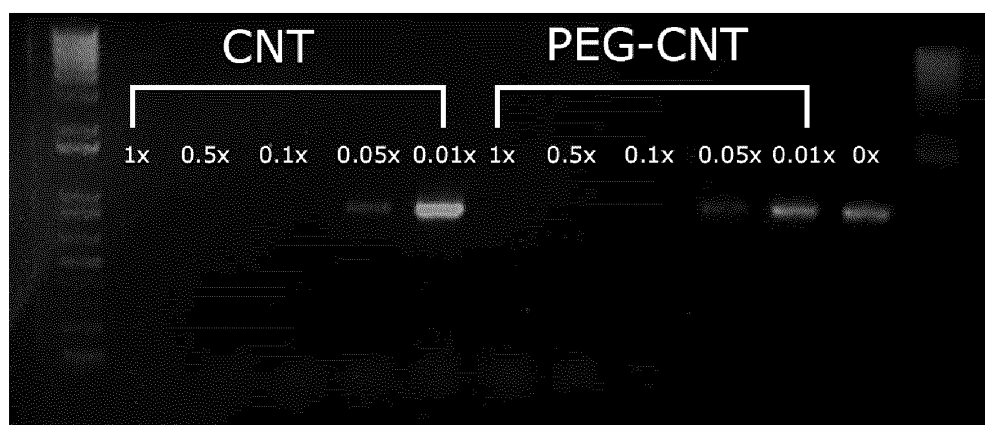


Fig. 2

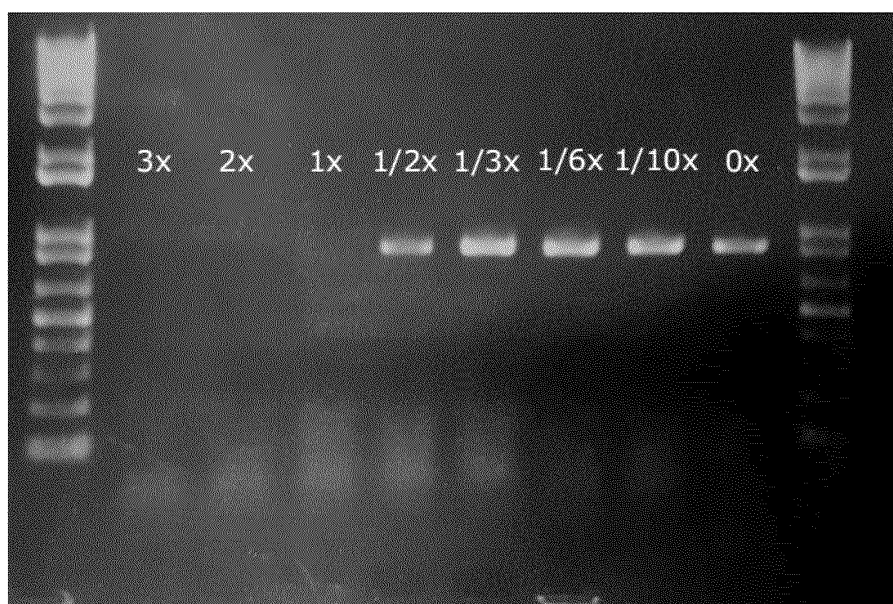


Fig. 3

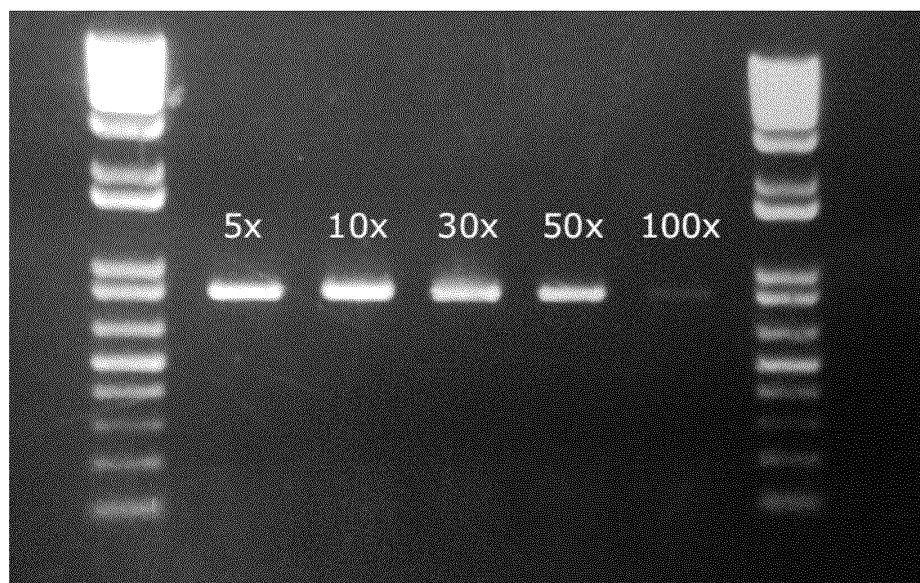


Fig. 4

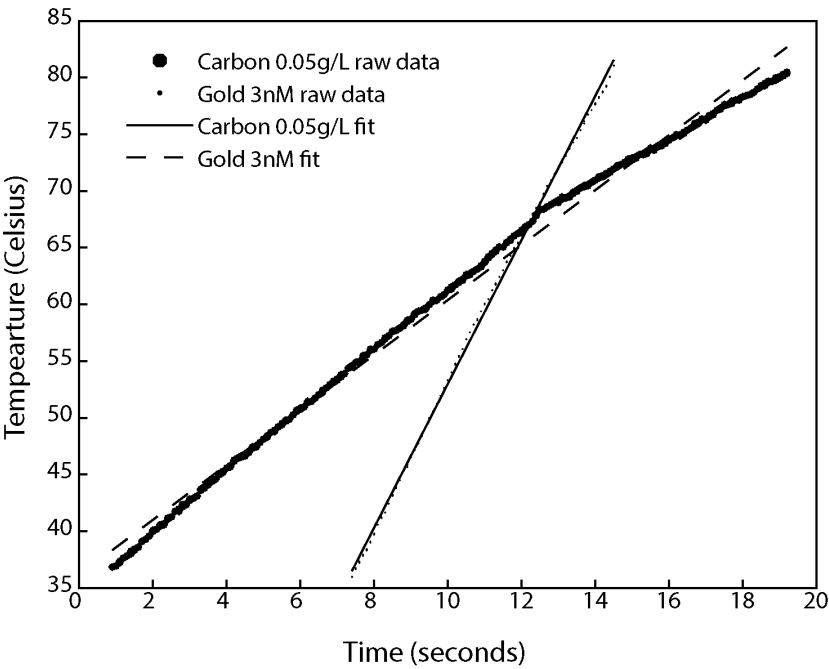


Fig. 5

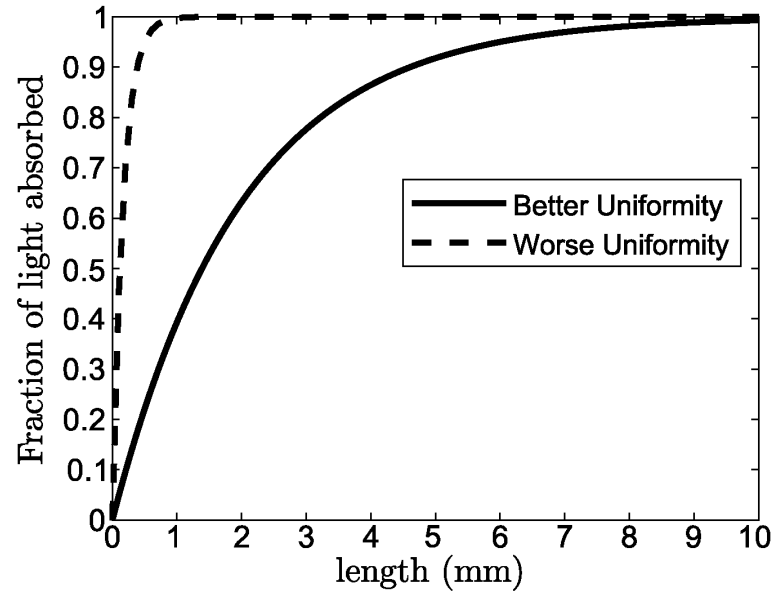


Fig. 6

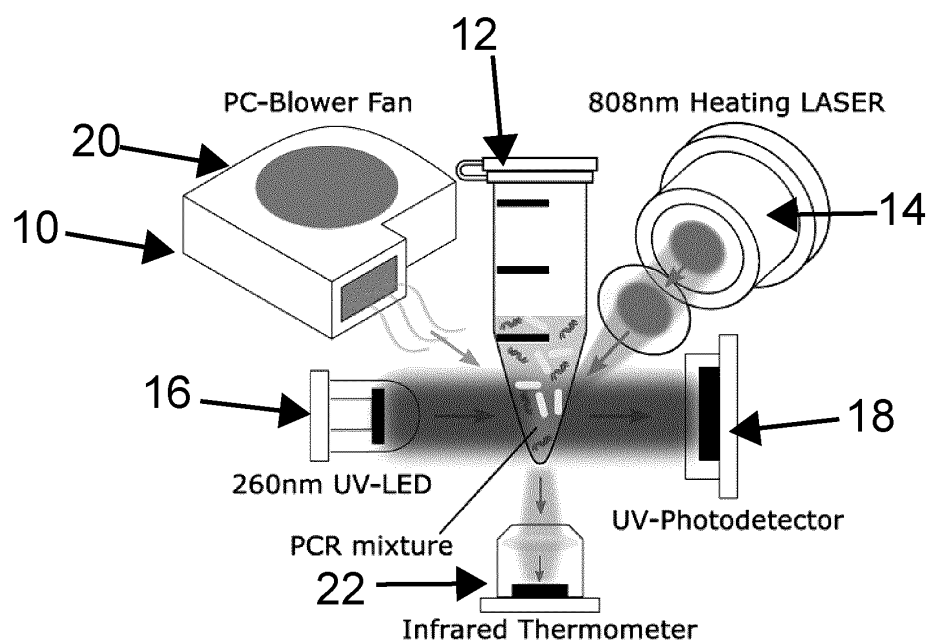


Fig. 7

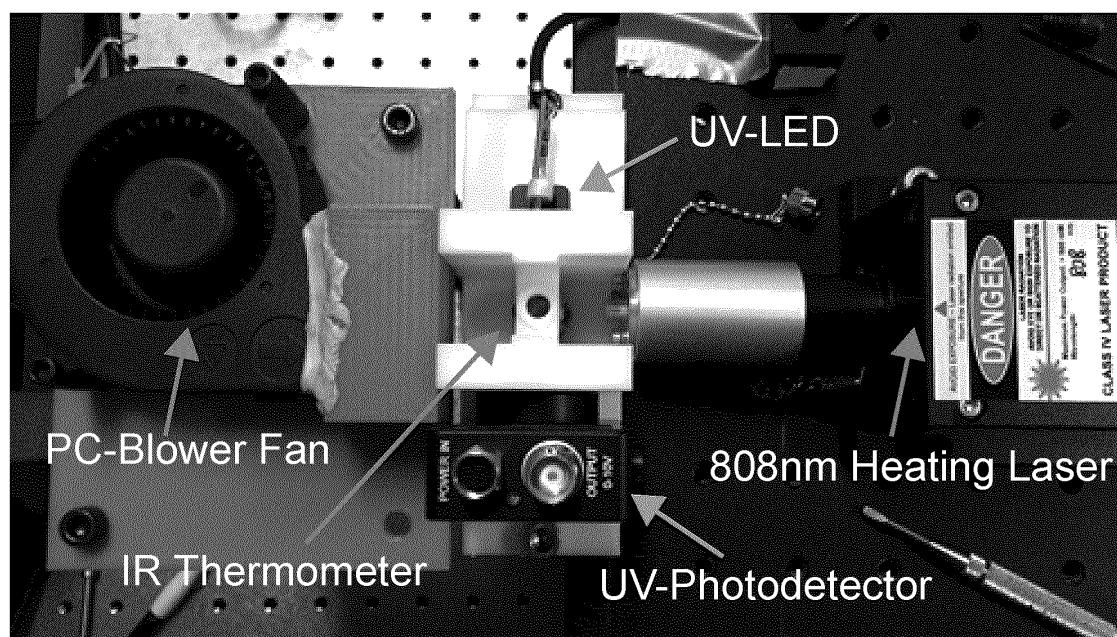
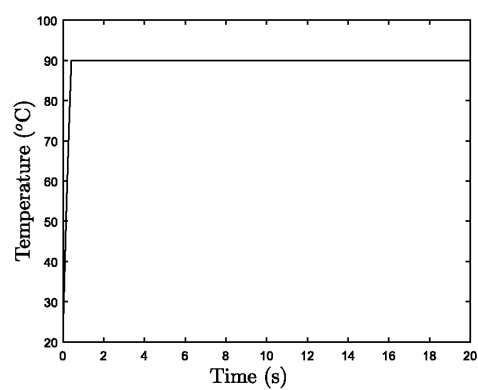
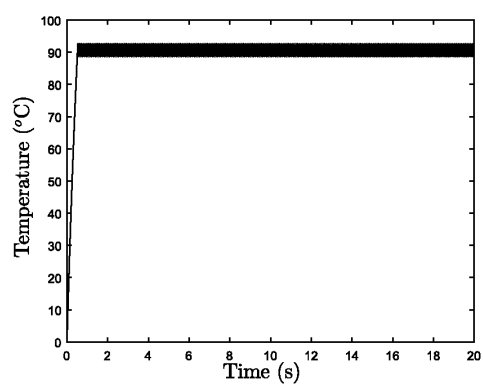


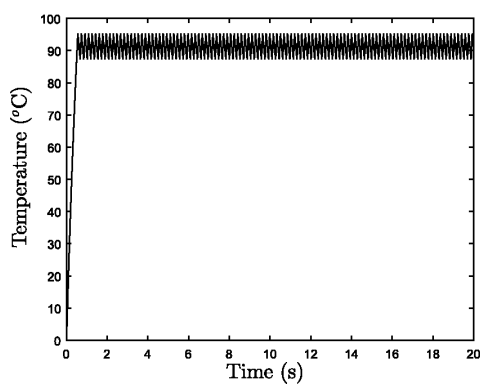
Fig. 8



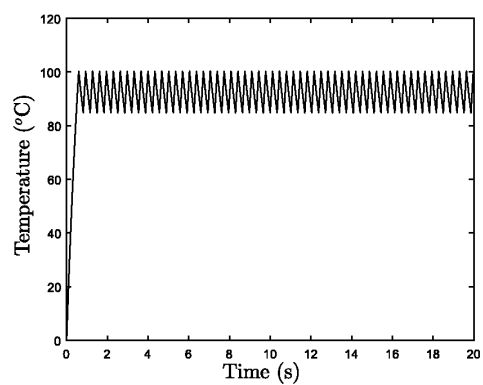
(a) No delay



(b) 200ms delay

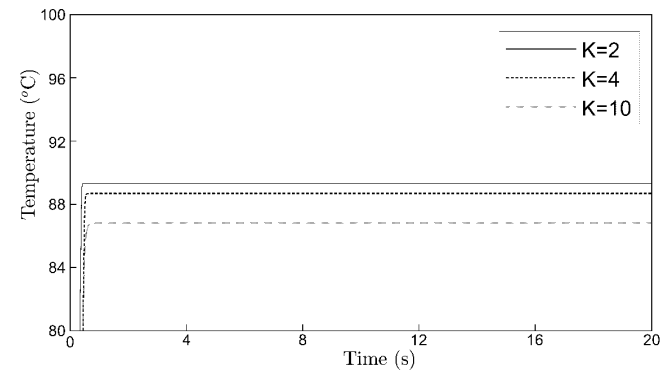


(c) 400ms delay

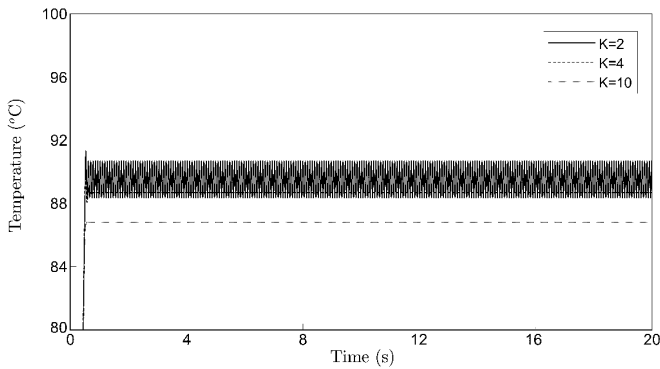


(d) 800ms delay

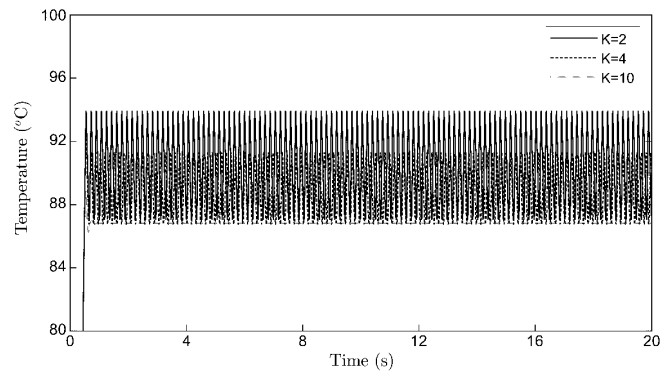
Fig. 9



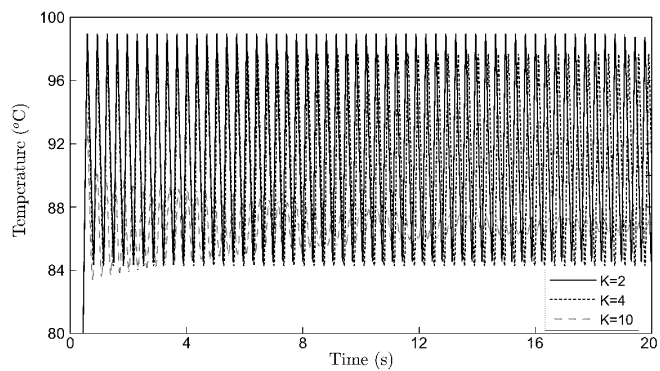
(a) No delay



(b) 200ms delay



(c) 400ms delay



(d) 800ms delay

Fig. 10  
6/27

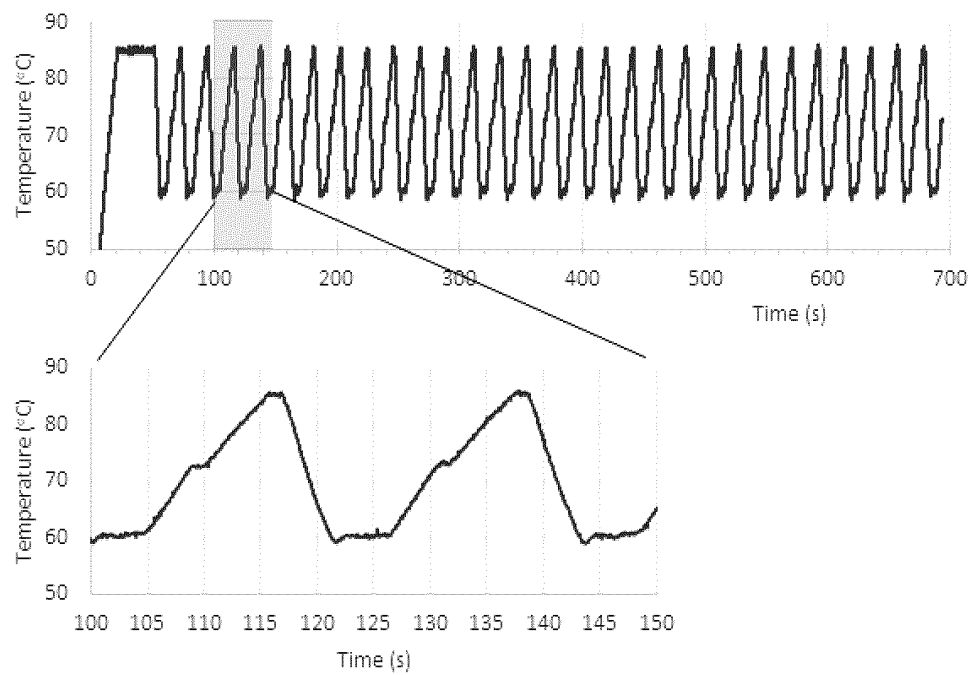


Fig. 11

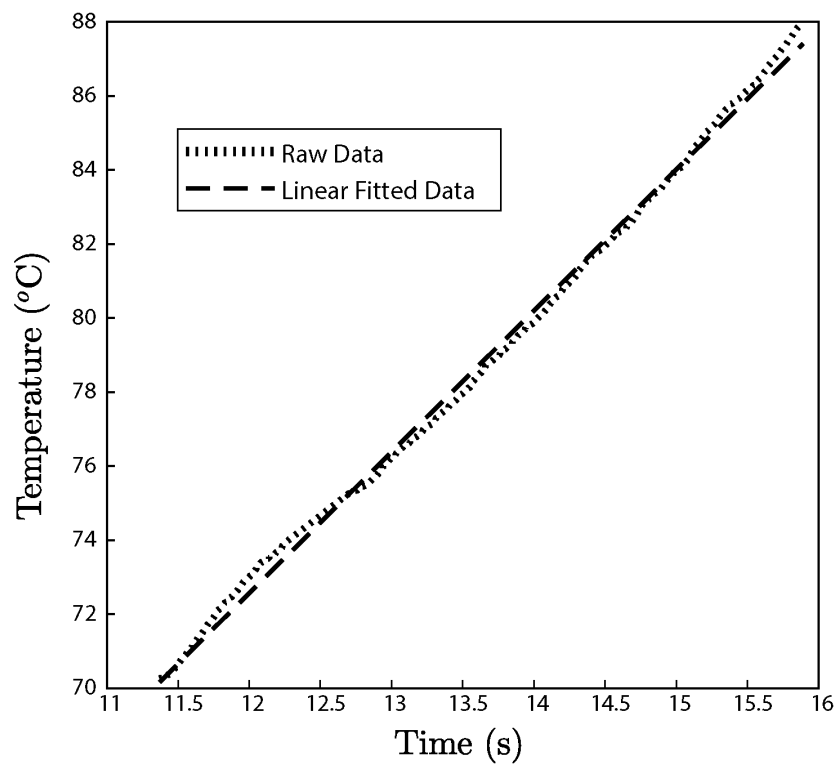


Fig. 12

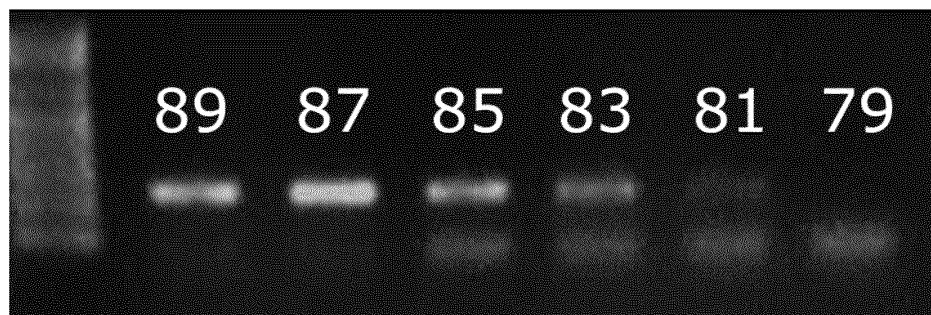
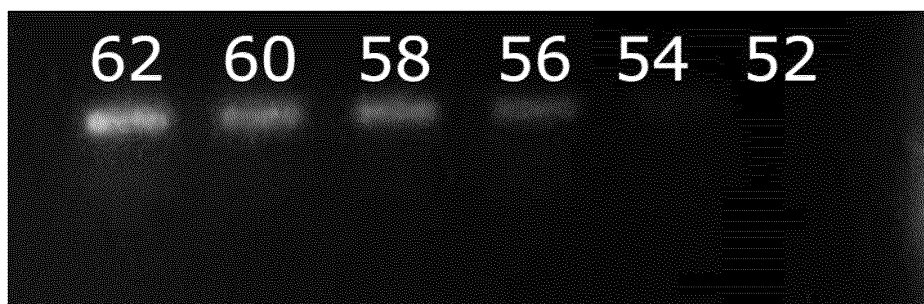


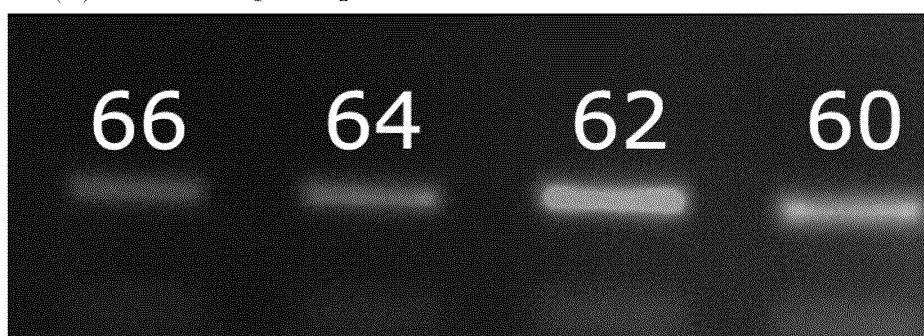
Fig. 13



Fig. 14

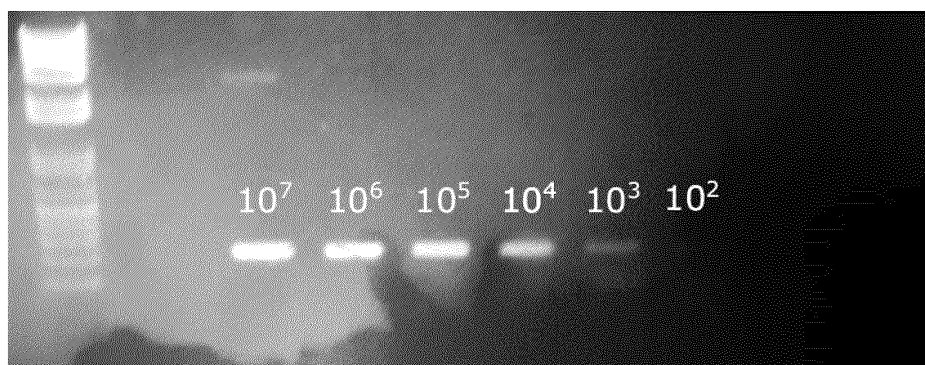


(a) Annealing temperature varied from 52°C to 62°C.



(b) Annealing temperature varied from 60°C to 66°C.

**Fig. 15**



**Fig. 16**

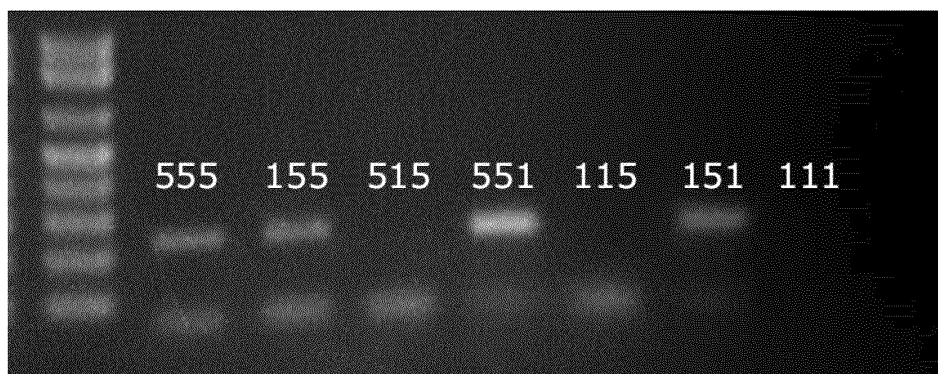
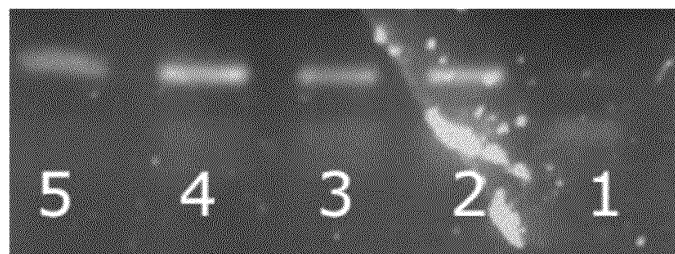
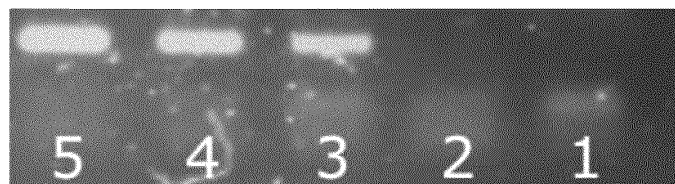


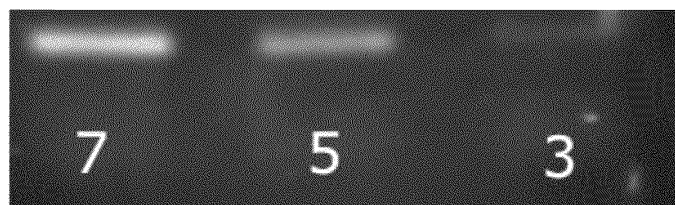
Fig. 17



(a) Annealing time variation with temperature kept at 60°C.



(b) Annealing time variation with temperature kept at 62°C.



(c) Annealing time variation with temperature kept at 64°C.

Fig. 18

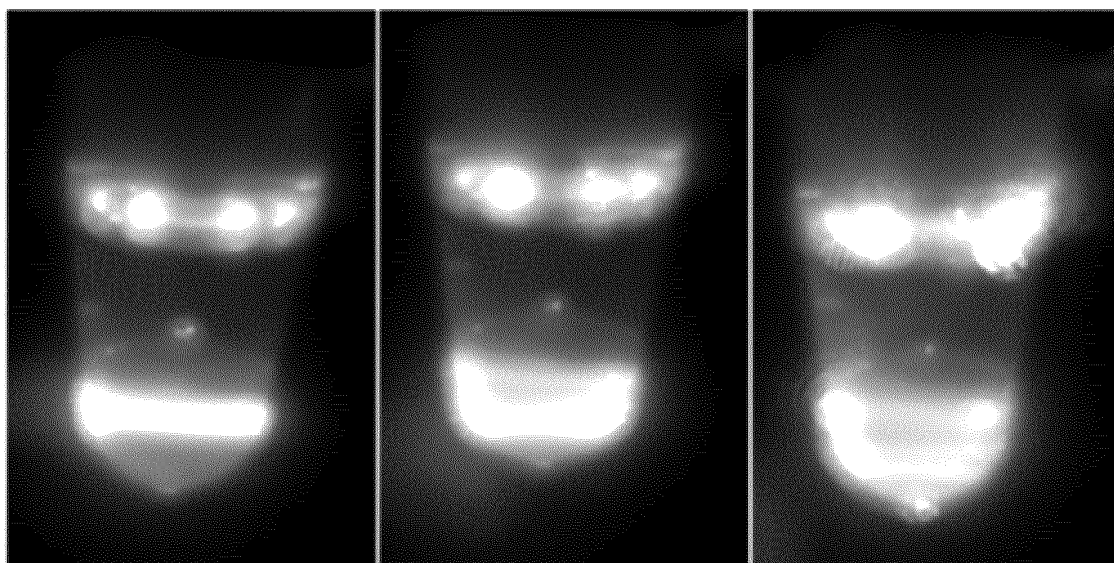


Fig. 19

Fig. 20

Fig. 21



Fig. 22



Fig. 23

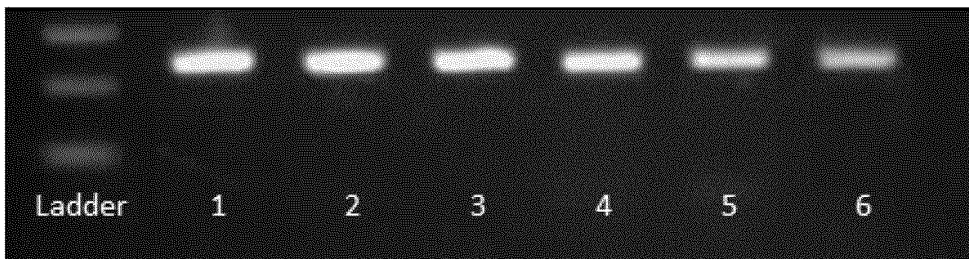
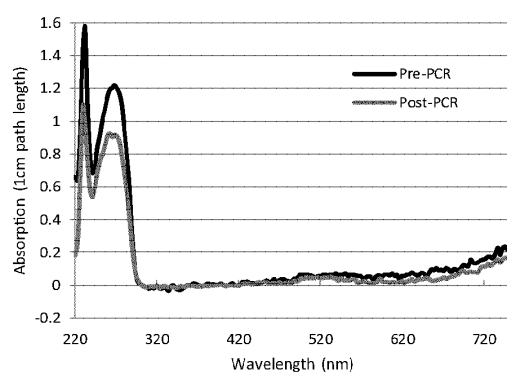


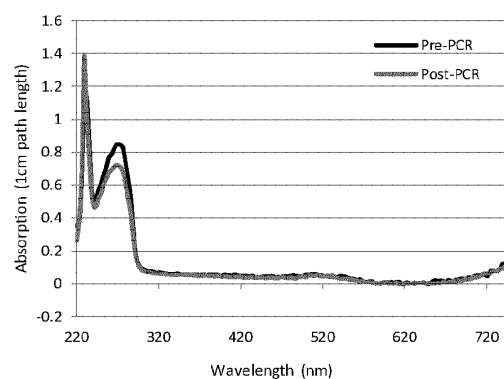
Fig. 24



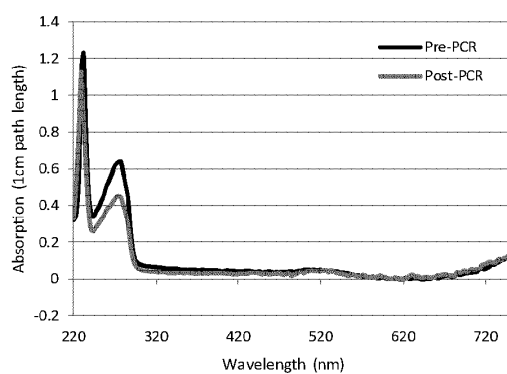
Fig. 25



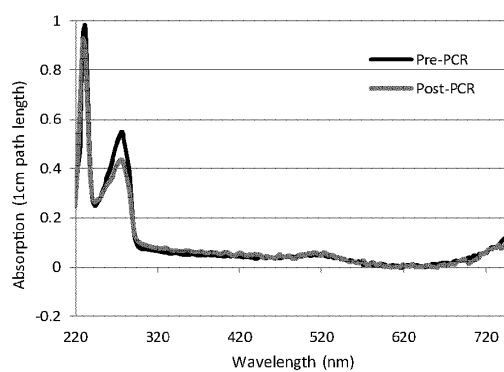
(a) Standard dNTP concentration 250μM



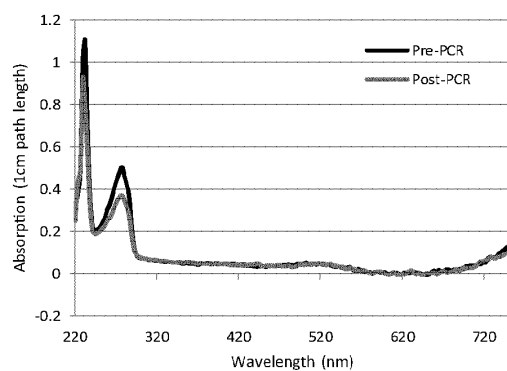
(b) dNTP concentration 125μM



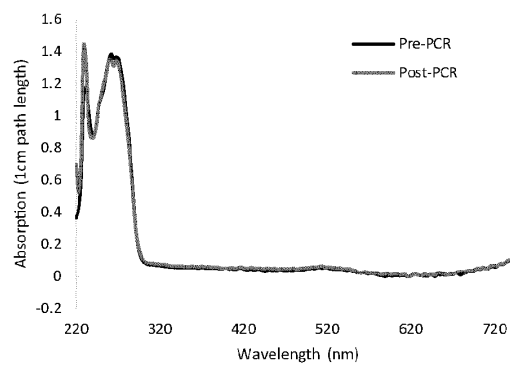
(c) dNTP concentration 62.5μM



(d) dNTP concentration 31.25μM



(e) dNTP concentration 15.625μM



(f) dNTP concentration 250μM, no DNA

Fig. 26



Fig. 27



Fig. 28

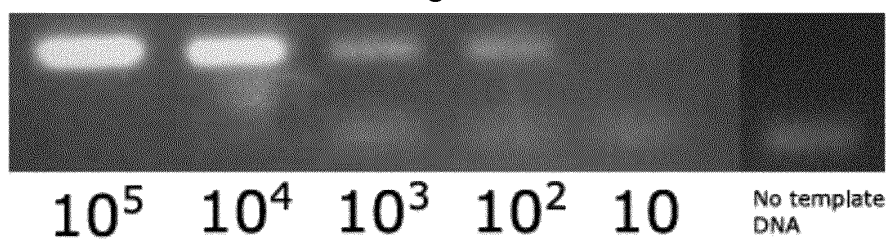


Fig. 29

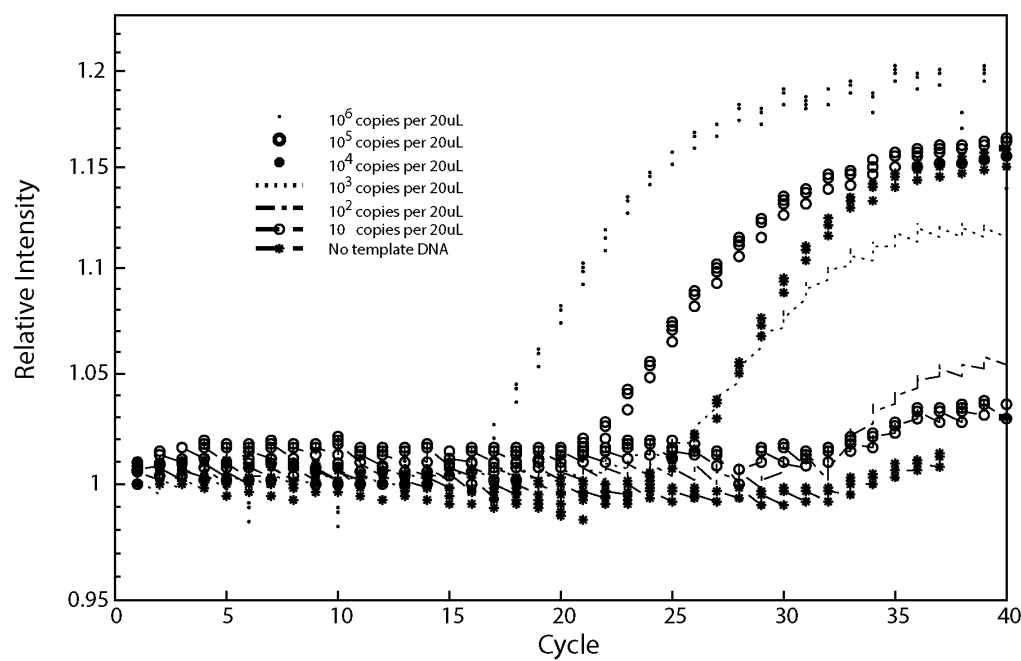


Fig. 30

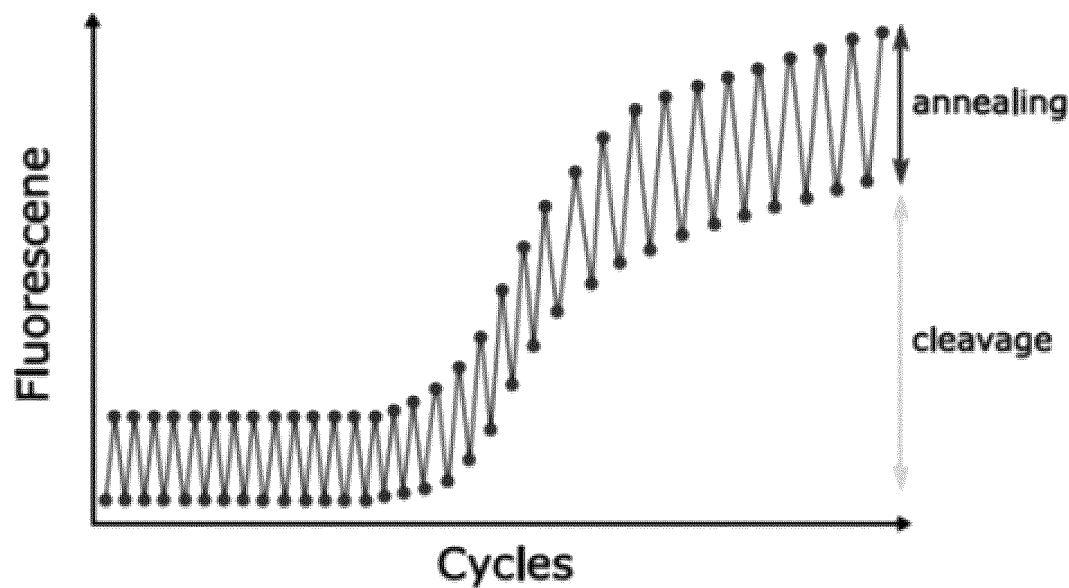
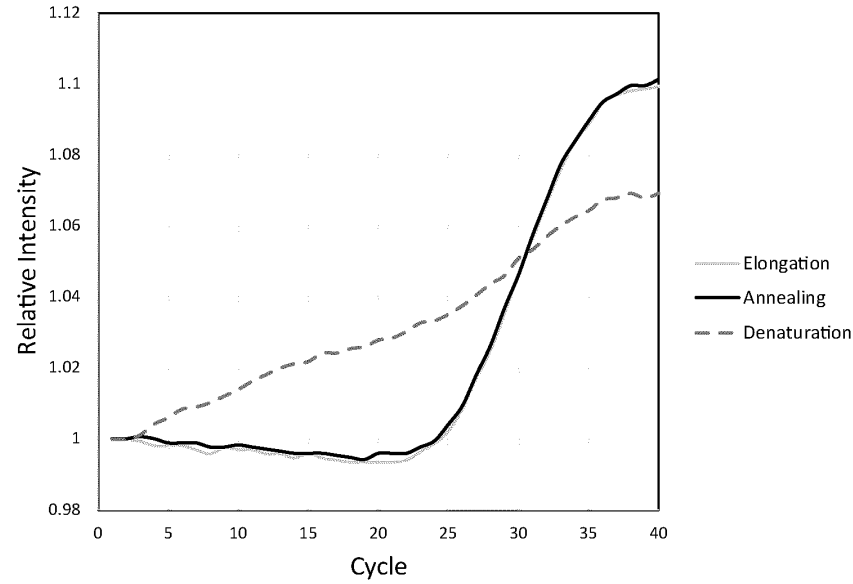
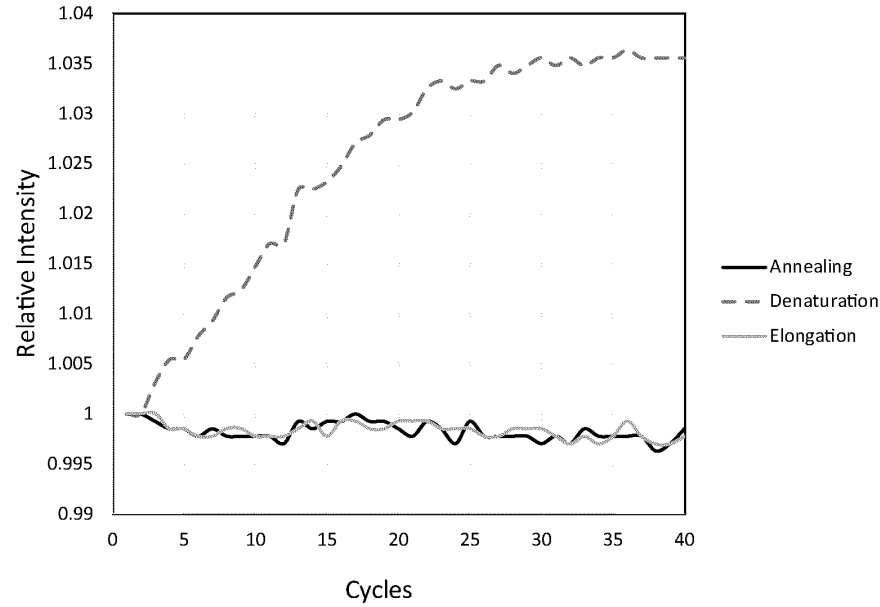


Fig. 31



(a) Positive PCR



(b) Negative PCR, No DNA template

Fig. 32

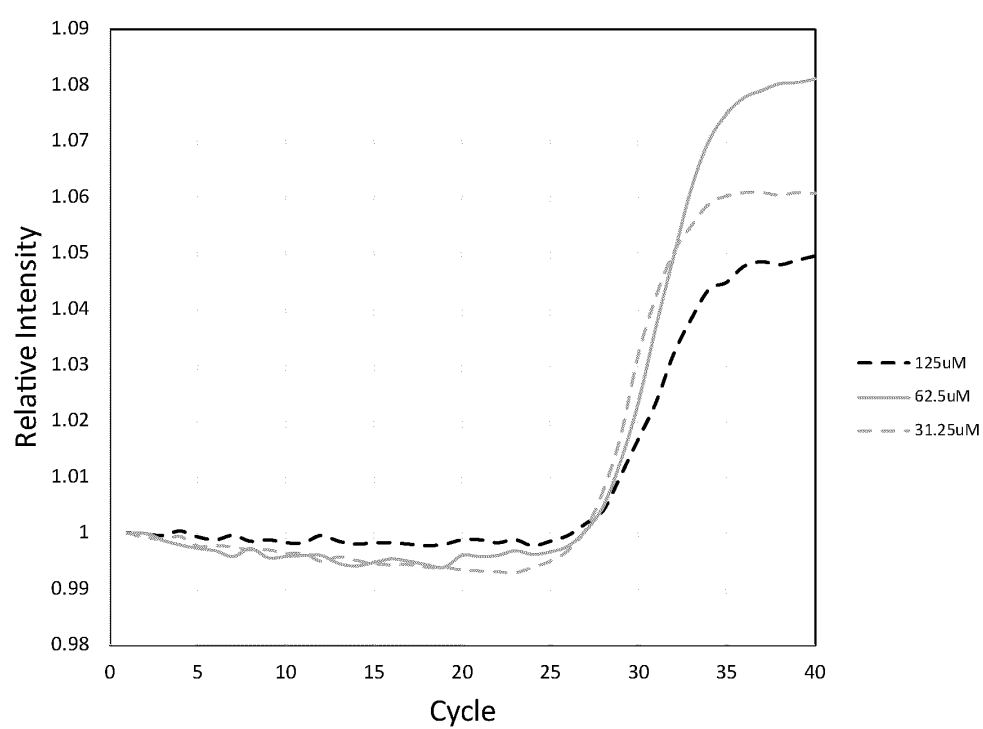


Fig. 33

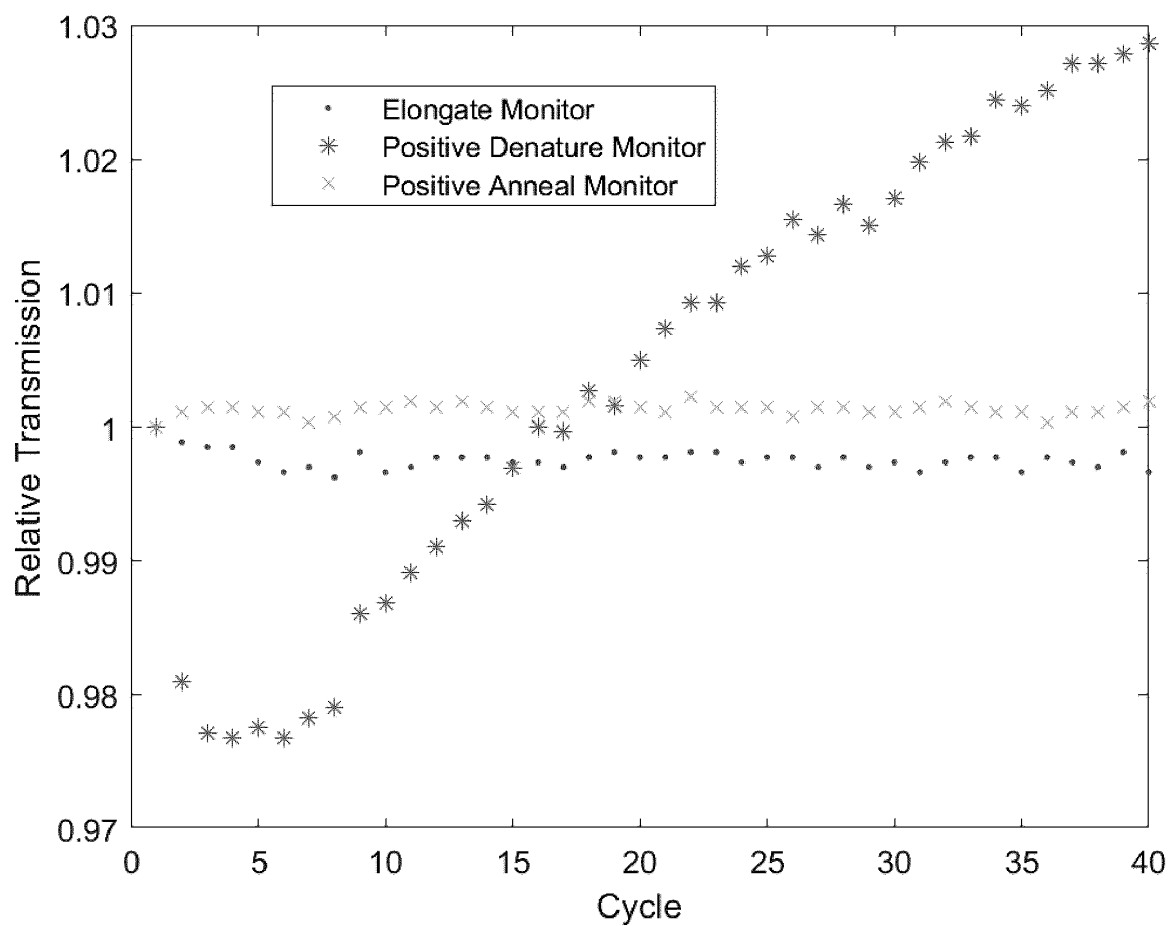


Fig. 34

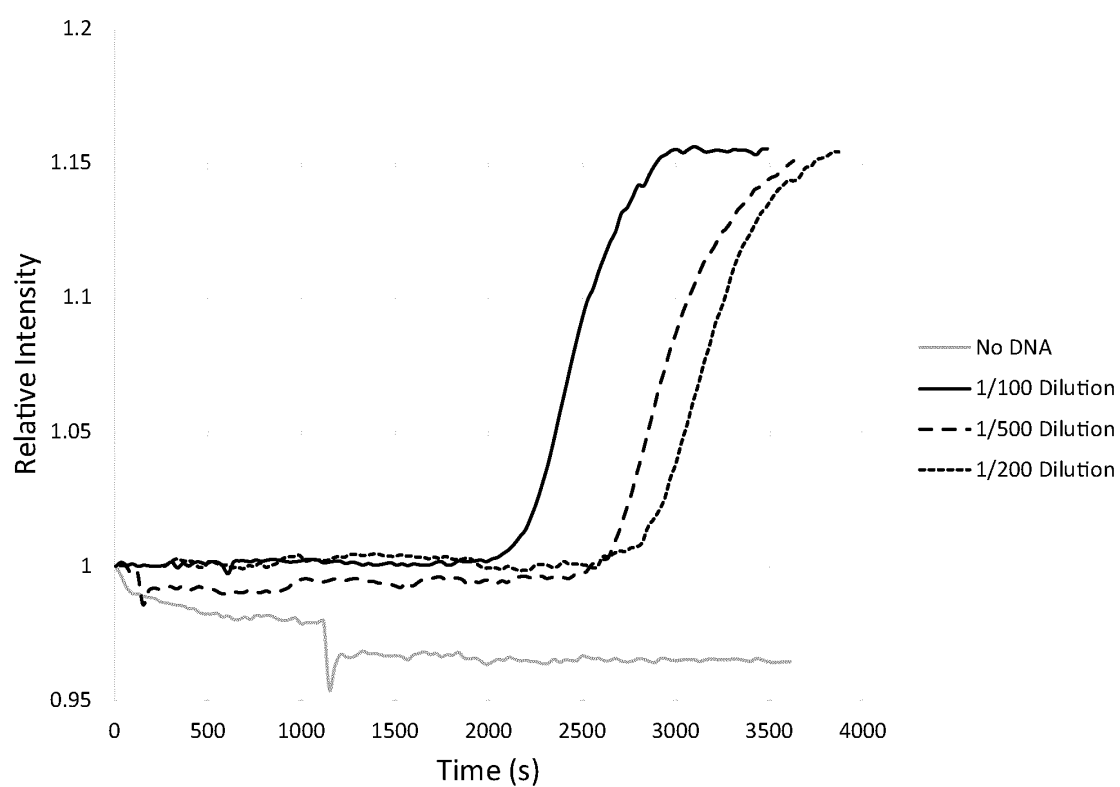


Fig. 35

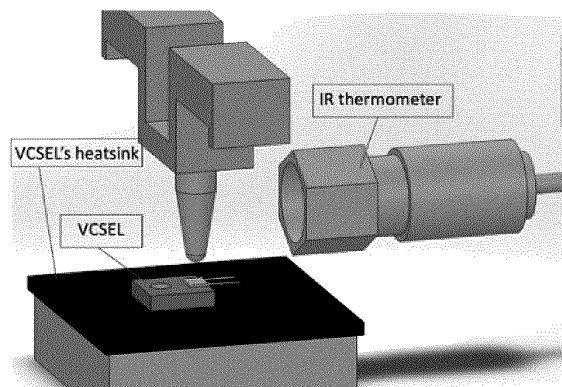


Fig. 36

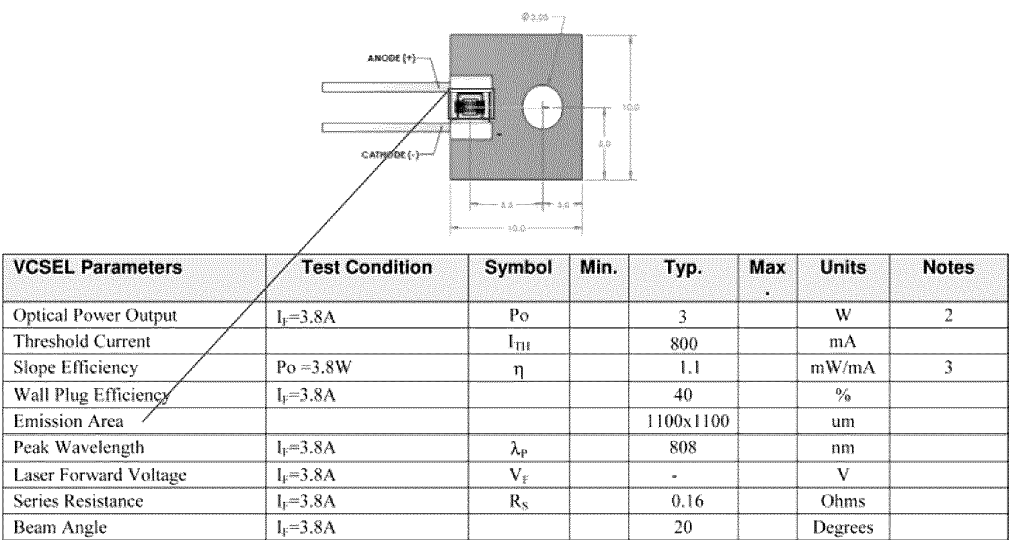


Fig. 37

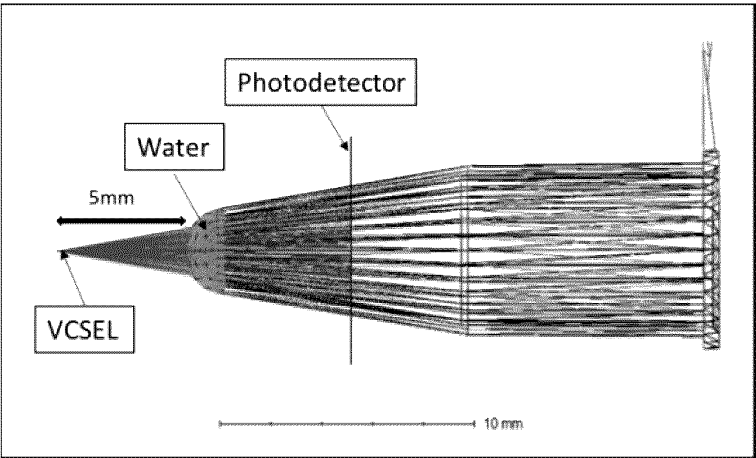


Fig. 38

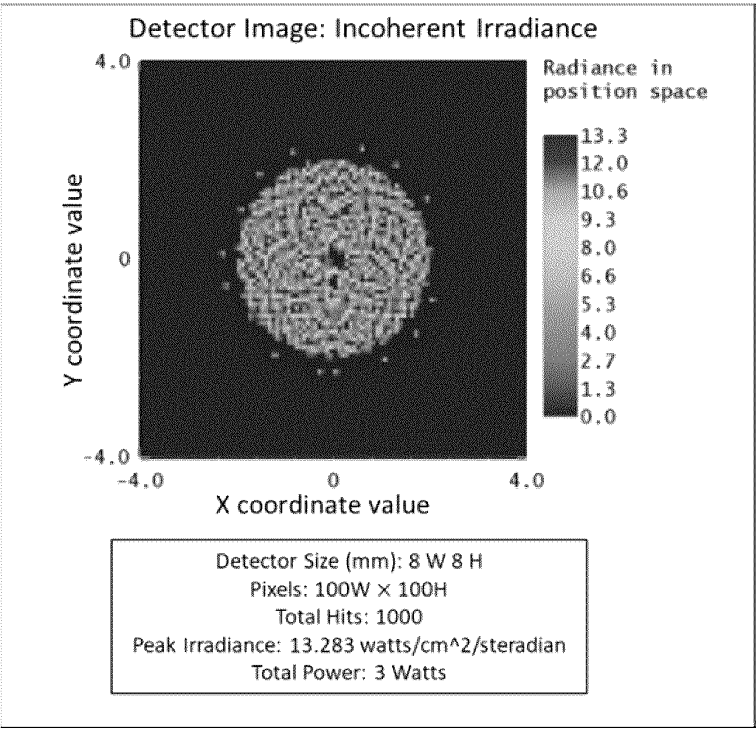


Fig. 39

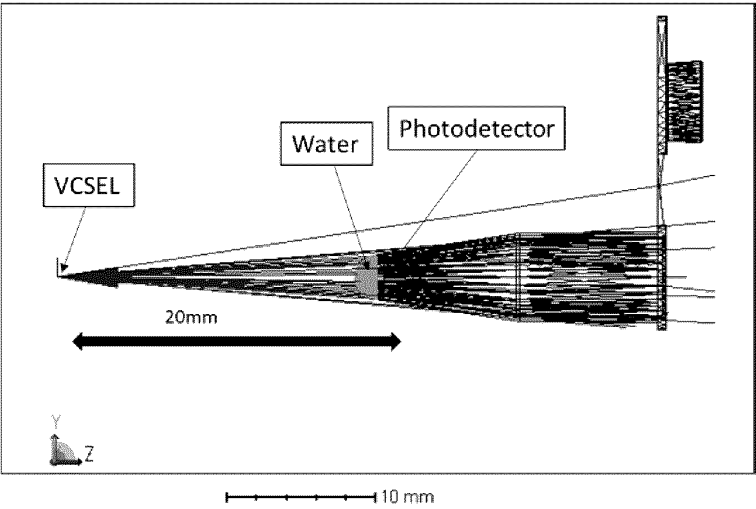


Fig. 40

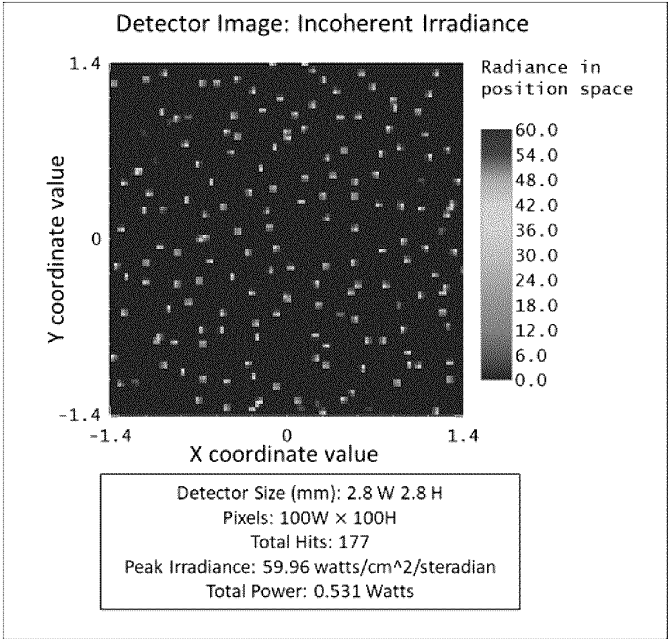


Fig. 41

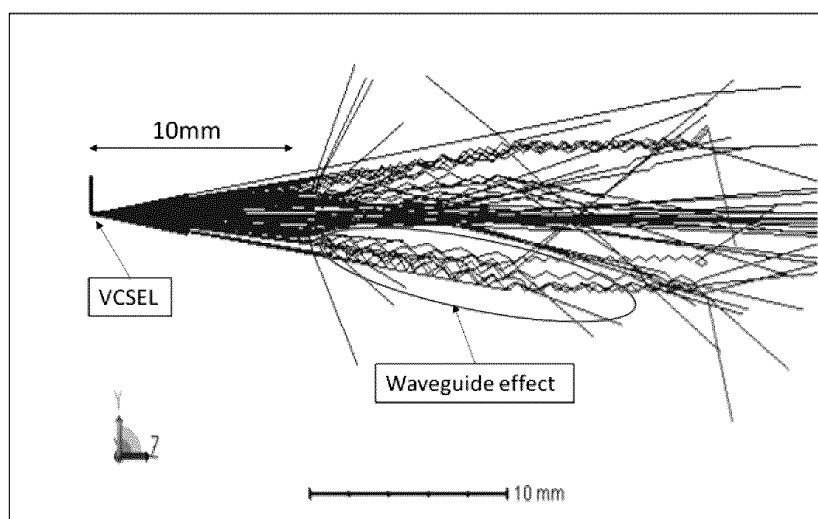
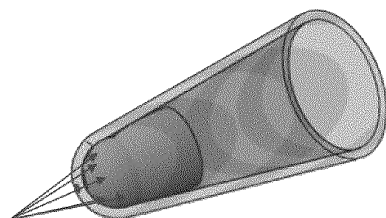


Fig. 42

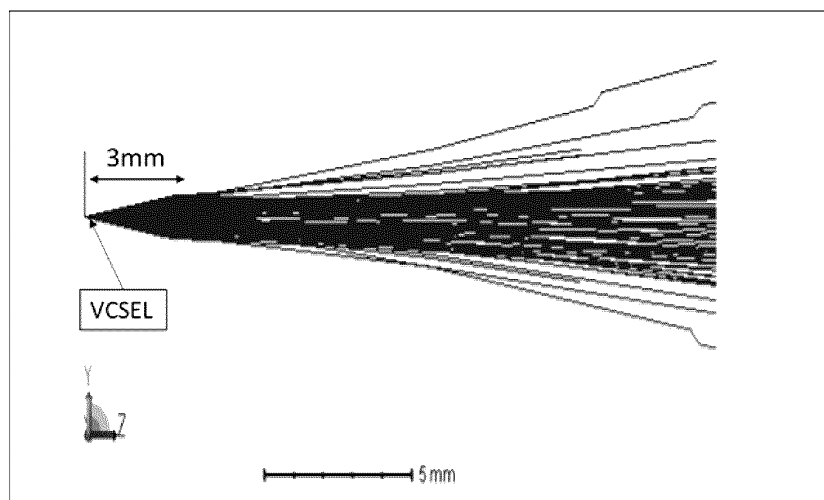


Fig. 43

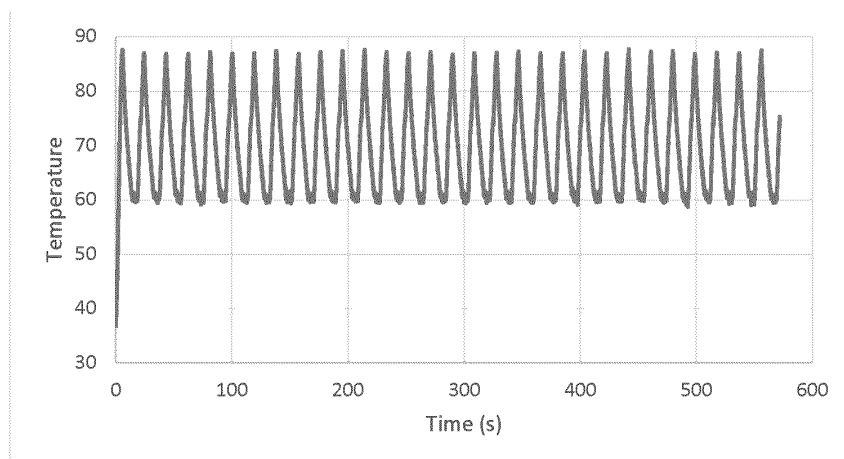


Fig. 44

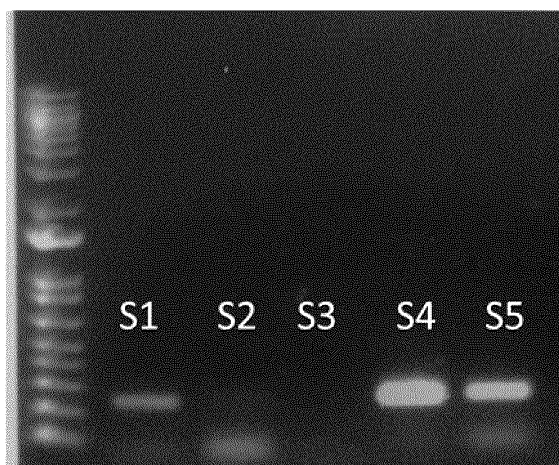


Fig. 45

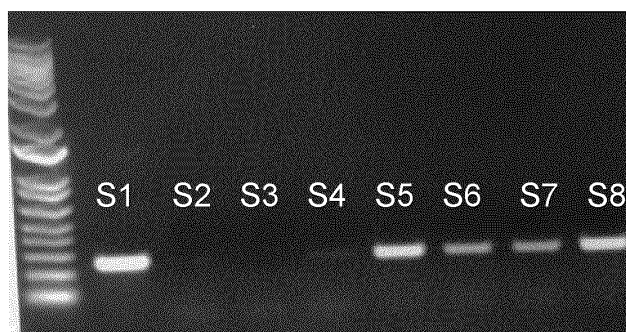


Fig. 46

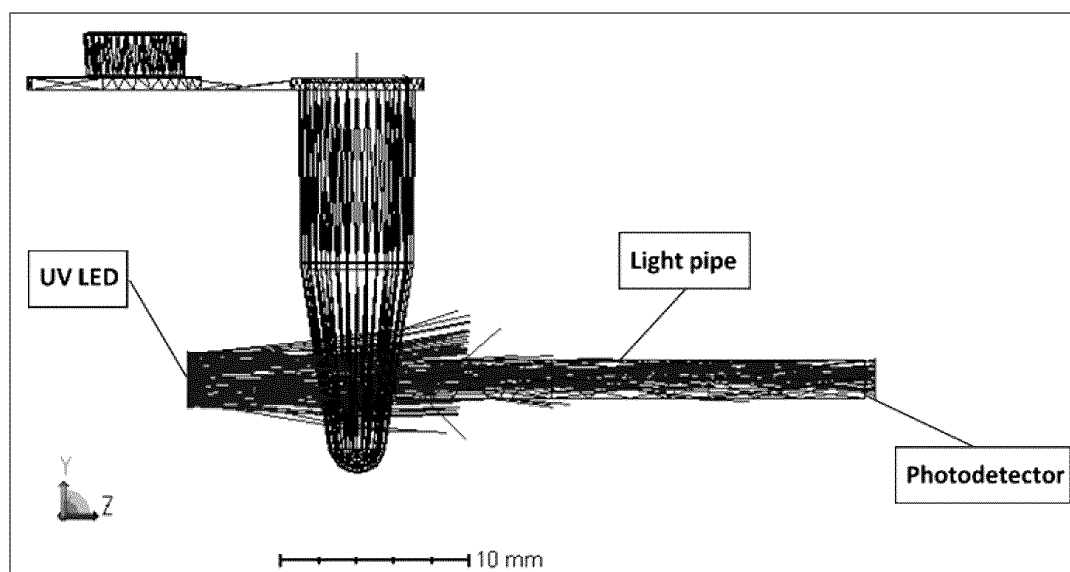


Fig. 47

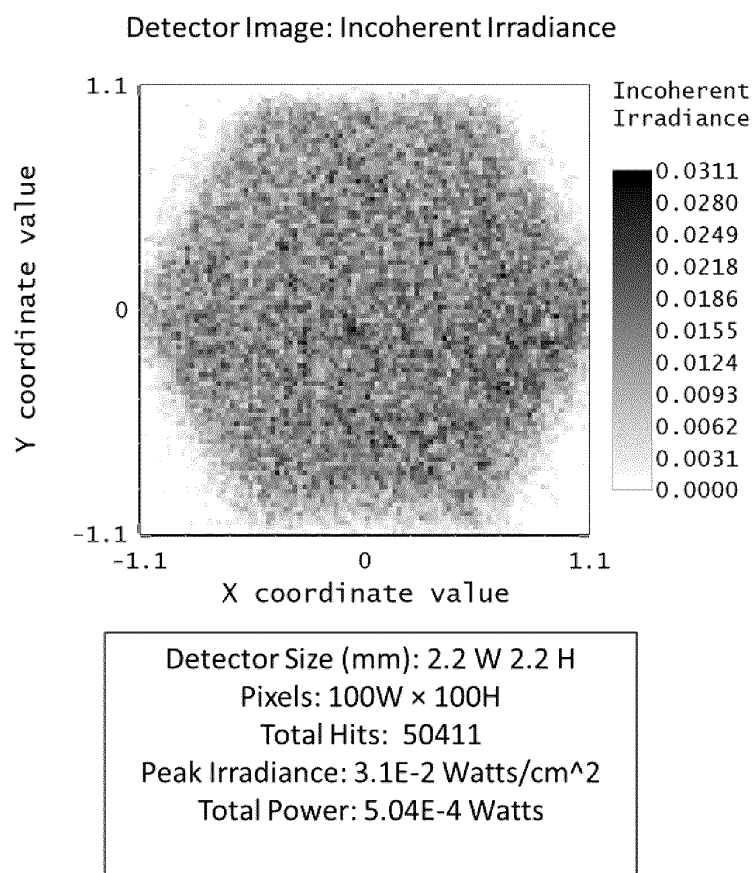


Fig. 48