

Effect of plasma on-time with a fixed duty ratio on reactive species in plasma treated medium and their significance in biological applications

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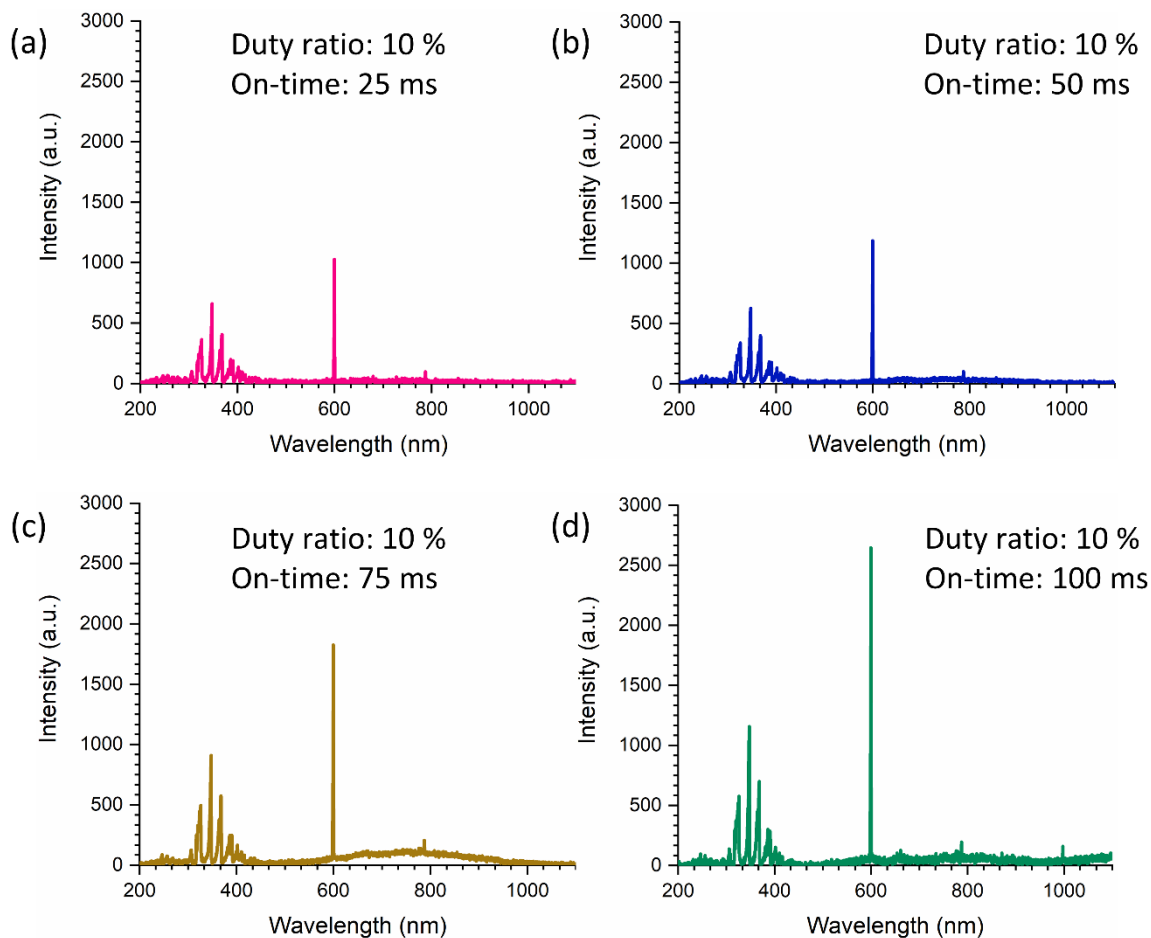


Figure S1. The OES at various plasma on-times of (a) 25 ms, (b) 50 ms, (c) 75 ms, and (d) 100 ms when the duty ratio was fixed at 10%.

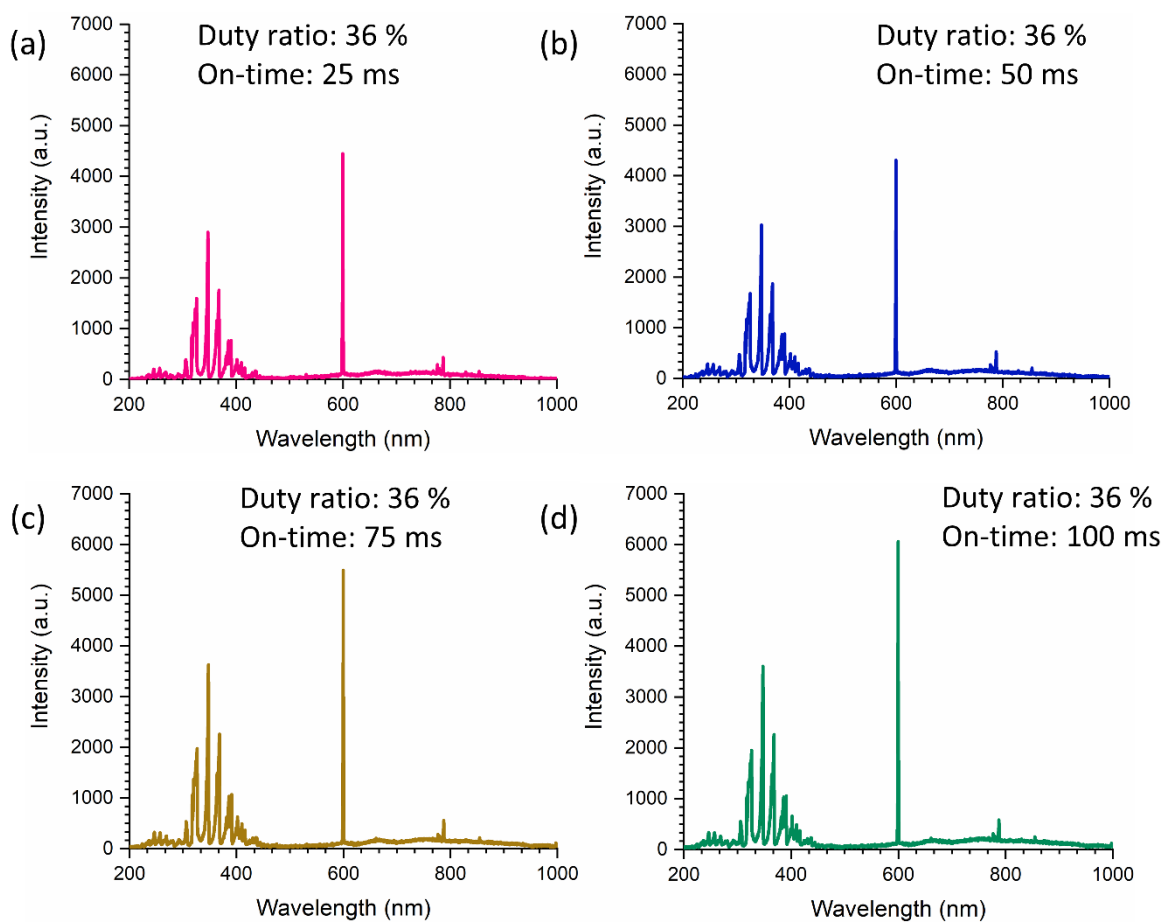


Figure S2. The OES at various plasma on-times of (a) 25 ms, (b) 50 ms, (c) 75 ms, (d) and 100 ms when the duty ratio was fixed at 36%.

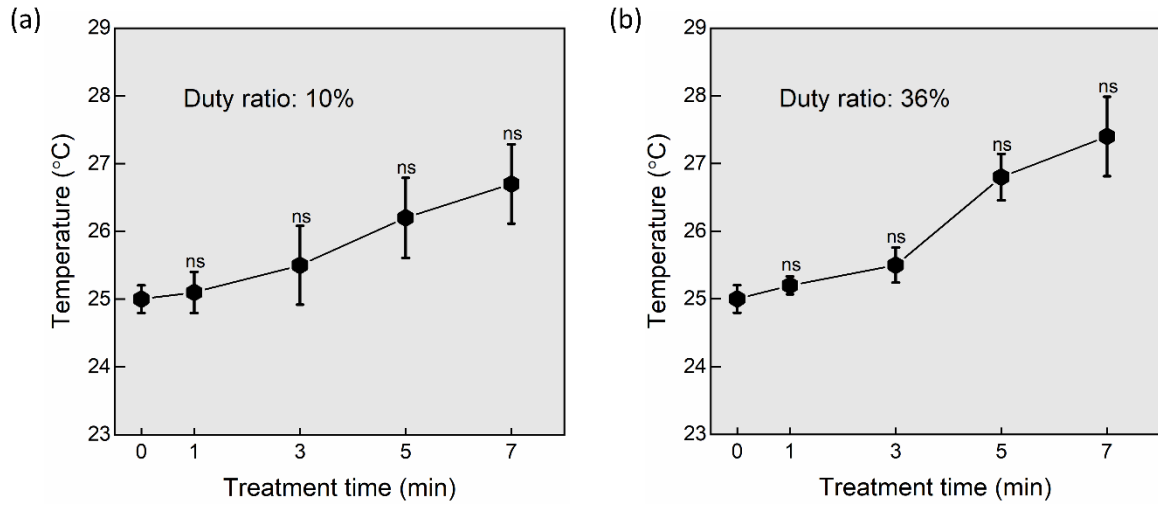


Figure S3. The temperature of the PTM (DMEM) after plasma treatment. (a) The temperature of DMEM after treatment when duty ratio is 10%. (b) The temperature of DMEM after treatment when duty ratio is 36%. The temperature of the PTM has a slight increase (10%: ~ 1 – 1.5 °C, 36%: 1 – 3 °C) at treatment period of 5 min and 7 min, which is nonsignificant compared to control group.