



Featuring work from Professor Nae Yoon Lee's laboratory,  
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Chitosan: a green adhesive for surface functionalization and  
fabrication of thermoplastic biomedical microdevices

Chitosan-mediated room temperature adhesive bonding  
of thermoplastic microdevice and its application for  
Point-of-Care Testing of pathogenic bacteria inside the  
microdevice processing DNA purification, LAMP isothermal  
amplification, and silver nanoparticle based colorimetric  
detection in a seamless manner. We thank Heewon Choi for  
her great support for the drawing.

### As featured in:



See Nae Yoon Lee *et al.*,  
*Lab Chip*, 2023, **23**, 4245.  
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