



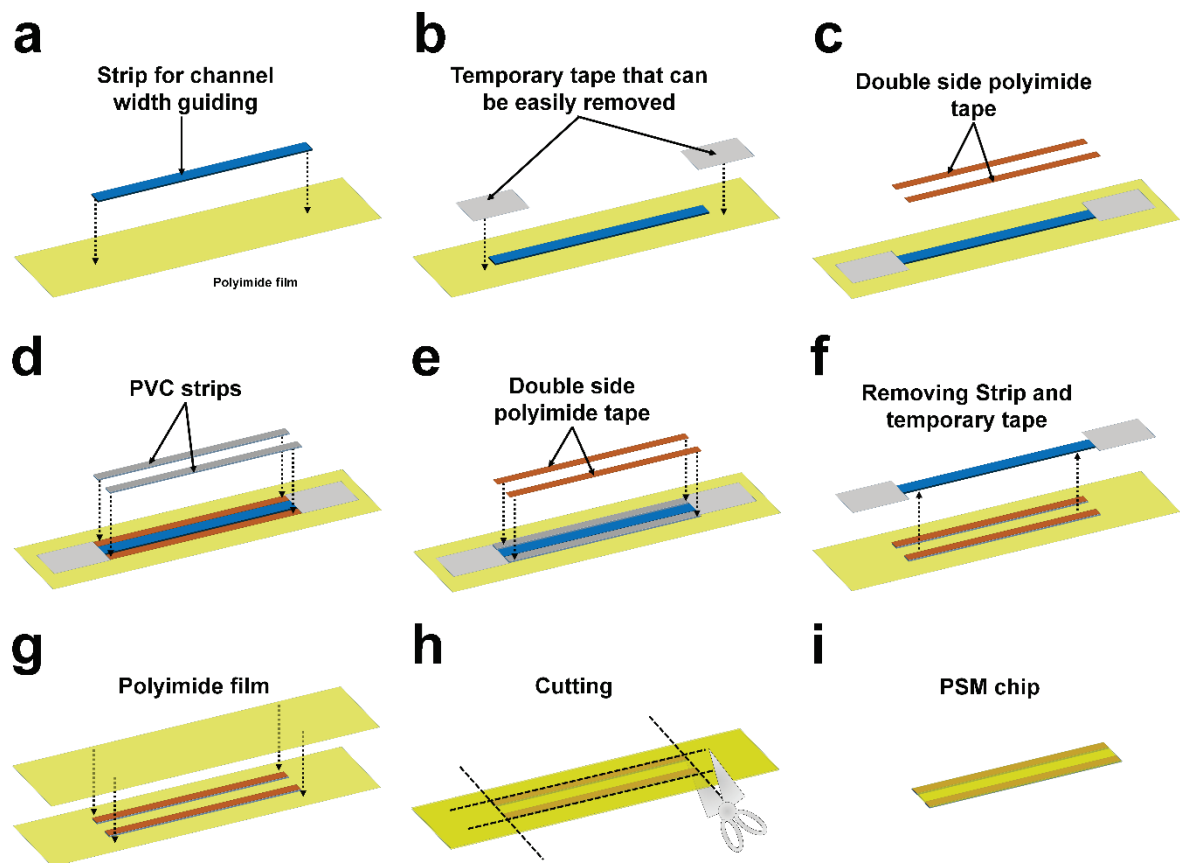
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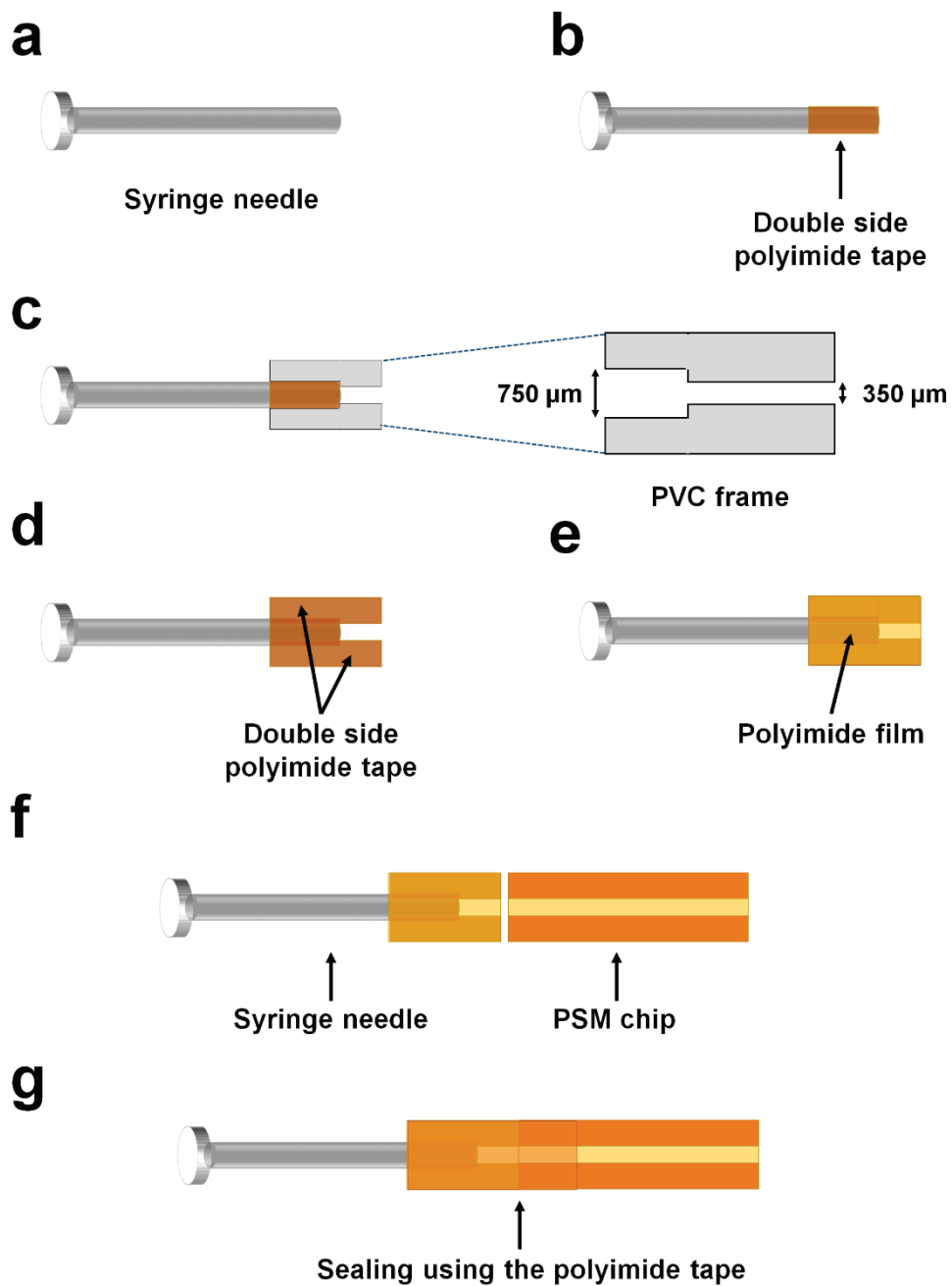
Supporting information for article:

Stable sample delivery in viscous medium via a polyimide-based single-channel microfluidics chip for serial crystallography

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Supplementary Figure S1. Schematic representation of PSM chip preparation. **(a,b)** The strips for channel width (350 μm) guiding are attached using easily removable tape. **(c)** The double side polyimide tape is attached beside the strip for channel width guiding. **(d)** The PVC frame is attached to the double side polyimide tape. **(e)** The double side polyimide tape is attached on the PVC frame. **(f)** The strips for channel width guiding and temporary tape are removed. **(g)** The polyimide film is attached on double side polyimide tape. **(h)** The outside of the PVC plate is removed with scissors. **(i)** Final PSM chip.



Supplementary Figure S2. Schematic representation of the syringe needle and PSM chip connection. (a) Syringe needle. (b) Double side polyimide tape is added to the end of the syringe needle. (c) A PVC plates are attached for sample guiding and connection with the PSM chip. (d) The double side polyimide tape is attached to the PVC frame. (e) The polyimide film is added to the double side polyimide tape on the PVC frame. (f) Arrangement of syringe needle and PSM chip. (g) The syringe needle and PSM chip are sealed together using polyimide tape.