



Supplementary Fig. 1 for

Peristaltic pump-triggered amyloid formation suggests shear stresses are in vivo risks for amyloid nucleation

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Overview of peristaltic pump-dependent amyloid inducer with the looped flow of amyloidogenic proteins. We used an ISMATEC peristaltic pump and a JASCO FP920 fluorometer with a 16 μ l-volume flow cell of as the standard conditions. We also installed a Keyence fluorescence microscope to simultaneously monitor the morphology of amyloid fibrils. These apparatuses were connected by a silicone tube with an inner diameter of 1.0 mm. The total length of the loop was approximately 1.5 m with a total volume of 2-3 ml. For sample injection, we used the manual injection (1) or four-way valve (2), which could be replaced with a sample injector (3) in a future system.