Supplementary Materials

Mesoporous Silica Particle as RNA Adsorbent for Facile Purification of In Vitro-Transcribed RNA

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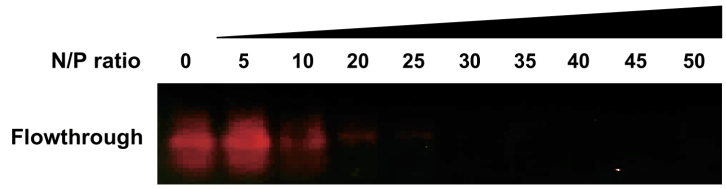


Figure S1. Adsorption of IVT RNA present in the post-*in vitro* transcription reaction mixture to mesoporous silica in the presence of spermidine. The unpurified IVT RNA (10 μg) supplemented with spermidine at increasing N/P ratio was purified by spin column filled with mesoporous silica using elution buffer containing 10 mM EDTA. Spermidine at different N/P ratios were tested for binding of the unpurified IVT RNA after in vitro transcription reaction. Aliquots of the flowthrough were analyzed on 1.0% agarose gel pre-stained with GelRed, and the RNA present in each fraction was visualized under UV illumination.