

Supporting Information for:

In Situ Surface-enhanced Raman Spectroscopy Detection of Uranyl Ion with Silver Nanorods Decorated Tape

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The supporting information includes: The stability study of the AgNRs SERS tape,
and the method comparisons for uranyl ion detection .

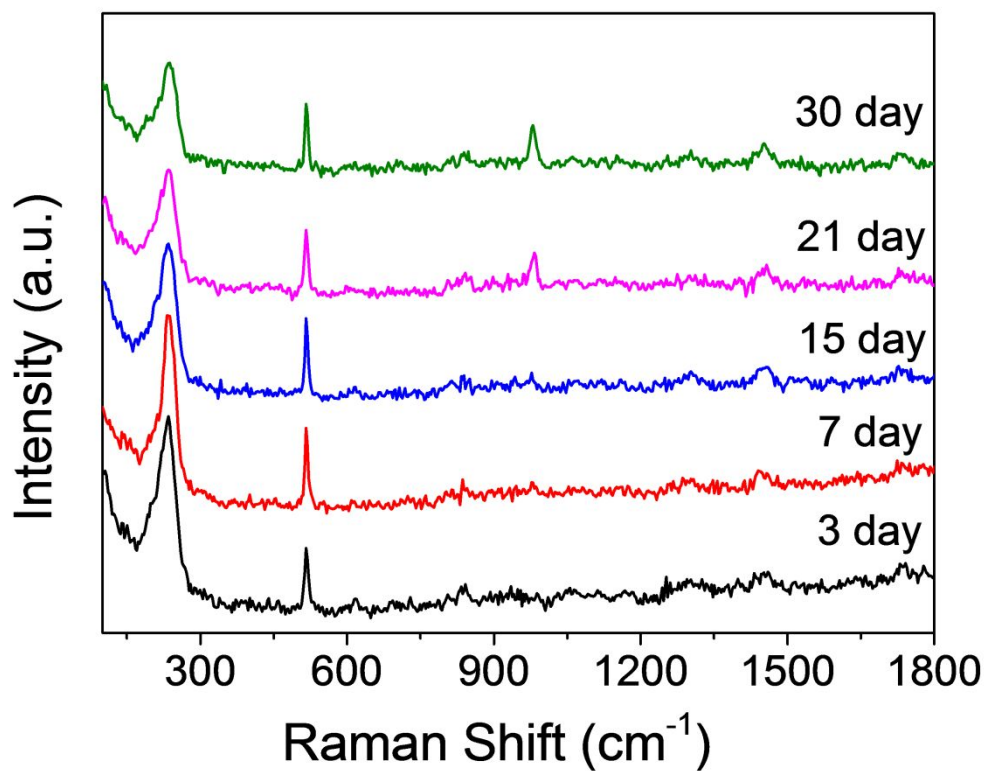


Figure S1. the Blank SERS spectra of the AgNRs SERS tape placed in the air within 30 days, showing good air stability (The SERS tape was not peeled off from the silicon). The laser power: 2.5 mW, the exposure time: 1s.

Table S1. An overview for uranyl ion detection.

Materials used	Method applied	LOD	Characters	References
Gold nanoparitcles	Photometry	500 nM	Ex situ	[1]
Gold nanoparitcles	SERS	800 nM	Ex situ	[2]
Silver nanoparticles	SERS	58 nM	Ex situ	[3]
Silver nanorods	SERS	10 nM	Ex situ	[4]
DNAzyme, hairpins	Electrochemistry	2 pM	Ex situ	[5]
AgNRs SERS tape	SERS	100 nM	In situ	This paper

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