

Materials List for:

# In Situ Characterization of Hydrated Proteins in Water by SALVI and ToF-SIMS

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URL: <https://www.jove.com/video/53708>

DOI: [doi:10.3791/53708](https://doi.org/10.3791/53708)

## Materials

Name	Company	Catalog Number	Comments
ToF-SIMS	IONTOF	TOF.SIMS 5	Resolution:>10,000 m/Δm for mass resolution;>4,000 m/Δm for high spatial resolution
System for Analysis at the Liquid Vacuum Interface (SALVI)	Pacific Northwest National Laboratory	N/A	SALVI is a unique, self-contained, portable analytical tool that, for the first time, enables vacuum-based scientific instruments such as time-of-flight secondary ion mass spectrometry (ToF-SIMS) to analyze liquid surfaces in their natural state at the molecular level.
PEEK Union	Valco	ZU1TPK	for connecting the inlet and outlet of SALVI
5 Axes Sample Stage	IONTOF	N/A	Stage is self-made for mounting SALVI in ToF-SIMS
Barnstead Nanopure Water Purification System	Thermo Fisher Scientific	D11921	ROpure LP Reverse Osmosis filtration module (D2716)
Syringe	BD	309659	1 ml
Pipette	Thermo Fisher Scientific	21-377-821	Range: 100 to 1,000 ml
Pipette Tip	Neptune	2112.96.BS	1,000 μl
Centrifuge Tube	Corning	430791	15 ml
Fibronectin	Sigma-Aldrich	F1141	1 mg/ml
Ethanol	Thermo Fisher Scientific	S25310A	95% Denatured
Gibco PBS	Thermo Fisher Scientific	10010-023	pH 7.4