

SEM stub preparation for freeze-cast MXene characterisation I

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Tags: SEM Sample preparation Freeze-cast Aerogel Nanoplexus 200 2021 19/10/2021Synth

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Goal : Attach freeze-cast and fractured Ti_3C_2 segments to SEM stubs for morphological investigation

Procedure :

Freeze-cast, lyophilized and fractured MXene aerogels, produced as described in [\[Experiment\] Freeze-casting of \$\text{Ti}_3\text{C}_2\$ MXene suspension II](#) are attached to aluminium SEM stub with double-sided carbon tape

Results :

Only Sample #1 (both halves) stayed firmly attached to the carbon tape , and hence is carried forward for microstructure analysis in SEM.

Attached file

IMG_1781.JPEG

sha256: 4473160399716c2fe899f266725da53efe7728b6c2ba59e4b938132b59fafa53



Unique eLabID: 20230430-0d3889707285c71a14814e5fe0cbacf54c91b721

Link: <https://frankel-elab.manchester.ac.uk/experiments.php?mode=view&id=113>