

Summary of CLS in-situ devices

- Can CLS offer *humidity* control for my hydrogen fuel cell membrane study?
- Is there an *electro-chemical* cell I can use to watch my catalyst in action?
- What devices does each *beamline* have available?

Sort the list by beamline, and/or device type by clicking on the pop-up funnel icon at the top of each column.

[illegible]

Electrochemical liquid flow cell	SGM	Yes			✓		✓		✓		
Anaerobic sample transfer system	SGM	Possible			✓		✓				
X-PEEM conductive cooling stage	SM	No		✓							
X-PEEM magnetism stage	SM	Possible								✓	
SM glovebox with sample transfer	SM	Possible					✓				
Soft x-ray humidity cell	SM	Yes					✓	✓	✓		
Soft x-ray electrochemical cell	SM	Yes			✓				✓		
MEMS microheater chip	SM	Yes	✓				✓		✓		
Peltier element temperature device	SM	Yes	✓	✓							
SM custom electrical device	SM	Yes									✓
SM custom magnetic devices	SM	Yes								✓	
Cryo-STXM	SM	No	✓	✓							
Glovebox-integrated XES endstation	SXRMB	Possible					✓				
SXRMB custom liquid cell	SXRMB								✓		
SXRMB custom high temp liquid/gas cell	SXRMB		✓				✓		✓		
Cold finger	SXRMB			✓							
Six-shooter tube furnace	SXRMB	Yes	✓				✓		✓		
Microfluidic cell	Sylmand	Yes							✓		
Tensile/compressive stage	VESPERS	No				✓					
Heating and cooling stage	VESPERS	Yes	✓	✓							
Ultra high vacuum cryostat	VLS-PGM	No		✓							
High temperature stage	VLS-PGM	No	✓								