

# MWE-JF016 Activity Assessment

**Date:** 2025-05-05

**Tags:** OER H<sub>2</sub>SO<sub>4</sub>

**Category:** Char EC

**Status:** Success

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## Procedure

The activity assessment was done in a one compartment cell. 2 glassy carbon rods were used as counter electrodes. A calibrated saturated calomel electrode (SCE) was used as reference electrode.

The measurements were conducted in 0.5 M H<sub>2</sub>SO<sub>4</sub> (suprapur).

10 cycles between 1.2 and 1.6 V vs RHE were recorded at a scan rate of 10 mV/s.

## Default group

**pH**

Acidic

**Electrolyte**

0.5 M H<sub>2</sub>SO<sub>4</sub>

**Counter Electrode**

Glassy Carbon

**Reference Electrode**

Saturated Calomel Electrode (SCE)

**Scan Range**

1.2 to 1.6 V vs RHE

**Scan Rate**

10 mV/s

**Nr. of Cycles**

10

## Linked experiment

MWE - [MWE-JF016](#)

## Attached files

CV\_131930\_10\_ML.tdms

sha256: cfc0a0587d2ffce95bcd3a797513d53ee56e1820fb367df15fb01997d3d655df

CV\_131800\_-9\_ML.tdms

sha256: b7b80f43e24459c6b4c223e61ebff79c2e26b32840f7fb6c7095fb998b9a5d70

Macro.EC\_Macro

sha256: b6812d25ea504154d6db42d93c7491170f35947d5838072bd15c79e279918e3b

Macro\_Log.txt

sha256: 60763bcab39b73fc9f734b7731e1f0a446f9788c54e25c2a7a81094ea69929f

CV\_130600\_-1\_ML.tdms

sha256: b2fe7987408b7e444cab05a6c05008db092c499bdeb9a076f7b8df56632ac5c8

CV\_130730\_-2\_ML.tdms

sha256: 946dc1a3a527c51fb271c0a7f38f73f276421a540e40c5d02c73d5594cd25140

CV\_130900\_-3\_ML.tdms

sha256: 7a2c11019a5a79eeb6ea5eb5cd8b43251019c845fdb2343a06d0430b2edc01ce

CV\_131030\_-4\_ML.tdms

sha256: 0551bda3f835a09f41e6c11a21ffdf0d191784bb3f1d35ca3f983158fc429f56

CV\_131200\_-5\_ML.tdms

sha256: 88143bd75614ec6084dd80295550582fc33969fbfa6dcd83e6910e22530693f7

CV\_131330\_-6\_ML.tdms

sha256: 8081c62d522d1d8d5da554b698e844bc691b7bf1526503b7cc83fd962e335032

CV\_131500\_-7\_ML.tdms

sha256: 9708b5ea6395fc45d60cb16aa38fe3b9f208893ca242af6fc75003fe153a31f3

CV\_131630\_-8\_ML.tdms

sha256: 28c724f6c5ba5f5cf9890aa4745e57deeff5d50cdf1f5fdc31fe386a2561771b



Unique eLabID: 20250514-835b78d245d2af8f59e1dc8288640b6c9776c81b  
Link: <https://elabftw.dcbp.unibe.ch/experiments.php?mode=view&id=21>