

MWE-JF016

Date: 2025-05-05

Tags: PCB

Category: MWE

Status: Success

Created by: Jonas Forner

Procedure

Metal Plating

The MWE was prepared by sonication in a mixture of iPrOH and water for 5 minutes in a sonication bath. The PCB was rinsed with MilliQ water and subsequently plated for 90 seconds in a 0.1 M HCl bath with 0.1 g/l PdCl₂. It was rinsed again and plated for 3 hours in a 2 mM K[Au(CN)₂] for gold plating. The PCB was rinsed thoroughly with water and left to dry.

Drop-Casting

4.9 ul of the ink were drop-cast onto 7 out of 8 electrodes. The ink vial was shaken after each electrode and quickly sonicated after every two electrodes increase reproducibility. One electrode was left empty for a blank measurement. The electrodes were dried under an Ar atmosphere humidified with 2:1 water:iPrOH.

Linked experiment

INK - [INK-JF060](#)



Unique eLabID: 20250514-7e40ca5c7b495d28351584e35c231216edca0b1c
Link: <https://elabftw.dcbp.unibe.ch/experiments.php?mode=view&id=9>