

# Identifying unknown chemistry – quick 4-point test

- This test can be done either on single cell, or on a battery pack.
  - Prior to test, voltage has to be calibrated to 1mV accuracy
  - Data file should contain logging time, voltage, current and temperature with 10 sec or less interval
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- 1) charge to full using C/100 taper current termination, relax 2hrs
  - 2) discharge to 60% SOC (relative to design capacity), relax 2 hrs
  - 3) discharge to 10% (relative to design capacity), relax 5 hrs
  - 4) discharge until voltage reaches 3V/cell at C/20 rate, relax 5 hrs.
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- Resulting data can be processed using chemselect.mcd, or sent to us

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