

Checklist and Information sheet

For service measurements with customer's materials in
the EL-CELL electrochemical research laboratory

Information for customers:

For manufacturing electrodes from your raw material (powder):

Please provide 50g per sample; minimum requirement 20 g per sample.

For characterization of separators:

Please provide punched samples with a diameter of 21.6 mm or a separator sheet.

For characterization of electrodes:

Please provide punched samples with a diameter of:

- 18 mm for PAT-Cell
- 10 mm for ECC-Opto-Std
- 10 mm for ECD-3-nano
- As an alternative, please provide an electrode sheet.

For characterization of electrolytes:

Please provide 5 ml per sample; minimum requirement 2 ml per sample.

Information which needs to be provided by customer:

Information about the type of the test:

- PAT-Cell
- ECC-Opto-Std / ECC-OPTO-10
- ECD-3 / ECD-3-nano
- Other (please specify):

Information about the material you provide:

- Raw material (anode / cathode powder, etc.):
.....
- Ready-to-use anode / cathode foil or punched samples (please see above for required dimensions):
.....
- Electrolyte (please specify):
.....
- Separator (please specify):
.....
- Other (please specify):
.....

Information for manufacturing electrodes from your raw material

- Solvent:
- Ratio:
- Coating thickness:
- Drying condition (temperature, time, special cond.):
- Special treatment:
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Processing / Treatment of ready-to-use anode or cathode foils

Determination of thickness (Y/N)

Drying condition
(temperature, time, special cond.):

Information about samples:

No. and type of samples:

No. of cell to be built from each sample:

Test conditions (please specify):

- Test duration or number of cycles:
- Potential range:
- c-rate:
- Temperature: