Lab Rotation Record

Materials Characterisation Workflow

Your Name
Laboratory / Group

Rotation period: Month–Month 20XX

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How to use this book

Record the question, setup, observations and next action on the day they occur. Keep raw measurements and deviations visible; use the summary tables to make the next hand-off reproducible.

Week 1 — orientation and baseline

Objective. Establish a repeatable baseline for the instrument before changing samples or settings.

Date
Instrument / sample
Operator

Observation log

1. Baseline condition and environment: _____

2. Unexpected behaviour or deviation: _____

3. File, notebook or instrument record created: _____

Measurements

Run	Input	Response	Units / notes
1			
2			
3			

Week 2 — controlled comparison

Question. Which setting most improves repeatability without changing the sample preparation?

Condition	Change made	Observation	Repeatability
A			
B			
C			

Handoff and next actions

- Result that another researcher should be able to reproduce: _____
- Open question: _____
- Next experiment, owner and due date: _____