

Quick Start — Experimenter (v1.7)

BlindKit v1.7 — Quick Start (Experimenter side, **blinded**)

You only use the ****EXPERIMENTER ROOT****. You never touch the blinder repo.

Setup

```
python -m venv venv && source venv/bin/activate  
pip install pillow qrcode
```

Paths

- EXPERIMENTER ROOT (your repo): `./study_X_experimenter/`

A) Day-to-day injections (blinded)

Behavior (4 sessions per animal)

- 1) Receive a syringe with QR/label.
- 2) Photograph syringe + label before injection.
- 3) Log a ****receipt**** at your root:

```
python blindkit_v1_7.py inject-scan \  
  --experimenter-root ./study_X_experimenter \  
  --animal-id RAT001 \  
  --stage BEHAVIOR \  
  --session 1 \  
  --photo /path/to/RAT001_beh_s1.jpg
```

This stores a receipt JSON under `EXPERIMENTER/receipts/`. Your colleague will ****reconcile**** it on their side.

Physiology (single terminal injection)

```
python blindkit_v1_7.py inject-scan \  
  --experimenter-root ./study_X_experimenter \  
  --animal-id RAT001 \  
  --stage PHYSIOLOGY \  
  --photo /path/to/RAT001_phys.jpg
```

Viral aliquot (single per animal)

```
python blindkit_v1_7.py inject-scan \  
  --experimenter-root ./study_X_experimenter \  
  --animal-id RAT001 \  
  --stage VIRAL \  
  --photo /path/to/RAT001_viral.jpg
```

B) Anatomy (blinded analysis)

You will be handed a blinded folder under your root (`anatomy_blinded/`) and a blinded-only manifest.

****Verify strictly****

```
python blindkit_v1_7.py verify-anatomy-blinded \
--experimenter-root ./study_X_experimenter
```

(For tolerant verification against resaves/moves, ask the blinder to run the cross■ref on their side.)

C) Provenance of allowed edits (optional)

```
python blindkit_v1_7.py record-derivative \
--experimenter-root ./study_X_experimenter \
--parent /path/to/anatomy_blinded/ANA-XXXXXX/IDX_003-007.tif \
--child  /path/to/anatomy_working/ANA-XXXXXX/IDX_003-007_adj.tif \
--note   "contrast +12%"
```

****That's it.**** You never see the keys; your receipts + hashes ensure auditability without unblinding.