



## Wet lab reproducibility checklist

# Study design



Sample sizes:

- \*Calculate prior to experiment to ensure statistical power of detection
- Report as exact number not range
- Define anomaly criteria prior to experiment
- Document changes in sample size with reasons for change

Calibrate instruments



Outline control studies with positive, negative and reagent being the most important.



Document method of sample randomization in experimental description



Document level of blinding present in experiment



Conduct and document both:

Technical replicants from same source/aliquot

Biological replicants from different source/aliquot

Document and provide step by step protocols for submission as supplementary data

Save data, protocols and materials information in an accessible location

### Reagents

#### For all Reagents Report:





Product number



If reagents are lab-made or gifted, ensure creation process is documented

### Antibodies:

Assess and document Sensitivity, Specificity and Range of Reactivity Catalog and clone number

Primary citation documented

Detail any validation required as supplementary data

### Cell lines:



Double check cells against International Cell Line Authentication Committee list of commonly misidentified cell lines

including:

Method

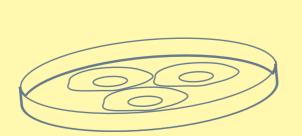
Document validation of cell line

Results

Last date of authentication

Mycoplasma contamination testing

**Bio**Techniques





Scan QR code



