Checklist for Report an Experimental Protocol

This checklist is available for authors interested in documenting a laboratory protocol.

☐ Title of the protocol
☐ Author(s) of the protocol
☐ Author ID
☐ Version
☐ Protocol ID
☐ Reviewed by
☐ Validated by
☐ Approved by

Introduction section

☐ Purpose of the protocol
☐ Provenance of the protocol
☐ Applications of the protocol
☐ Advantages of the protocols
☐ Limitations of the protocol

Materials section

Sample

☐ sample/specimen/organism name
☐ sample/specimen/organism ID
☐ Strain, line or ecotype
☐ Developmental stage
☐ Organism part
☐ Growth conditions
☐ Treatment type
☐ Volume/mass of sample

Laboratory consumables or supplies

☐ Laboratory consumable name
☐ Manufacturer
☐ Laboratory consumable ID (catalog number)

Buffer recipes: Consider this as the case for which preparing the Buffer is necessary. Do not consider the case in which the buffer is purchased ready-to-use.

☐ Buffer name
☐ Chemical compound name
☐ Manufacturer of chemical compound
☐ Catalog number of chemical compound

- ☐ Quantity of chemical compound
- ☐ Initial concentration of chemical compound
- ☐ Final concentration of chemical compound
- ☐ Storage conditions
- ☐ Cautions
- ☐ Hints

Solution recipes: Consider this as the case for which preparing the solution is necessary. Do not consider the case in which the solution is purchased ready-to-use.

- ☐ Solution name
- ☐ Chemical compound name
- ☐ Manufacturer of chemical compound
- ☐ Catalog number of chemical compound
- ☐ Quantity of chemical compound
- ☐ Initial concentration of chemical compound
- ☐ Final concentration of chemical compound
- ☐ Storage conditions
- ☐ Cautions
- ☐ Hints

Reagents: You should list here all the reagents, buffers and solutions purchased ready-to-use.

- ☐ Reagent name
- ☐ Manufacturer
- ☐ Reagent ID (catalog number)

Kits

- ☐ Kit name
- ☐ Manufacturer
- ☐ Kit ID (catalog number)

Primers

- ☐ Primer name
- ☐ Primer sequence
- ☐ Manufacturer
- ☐ Annealing temperature
- ☐ Annealing time
- ☐ Expected product size

Equipment

- ☐ Equipment name
- ☐ Manufacturer
- ☐ Equipment ID (catalog number)

Software

- ☐ Software name
- ☐ Software version

Methods section

Protocol

- ☐ Include alternatives to performing specific steps (optional)
- ☐ Critical steps
- ☐ Pause point
- ☐ Timing
- ☐ Hints
- ☐ Troubleshooting

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100%: You made it.

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