

1. General Labeling Requirements

Label Placement: Ensure labels are securely affixed to the sample container. Do not place labels on the container lid or cap.

Legibility: Use clear, legible print. Avoid handwriting if possible; printed labels are preferred.

Durability: Use labels that are resistant to moisture, solvents, and temperature changes. Ensure the ink will not smudge or fade.

2. Information to Include on Labels

Each sample label must include the following information:

- 1. Sample Identifier:**
 - A unique identifier or code for the sample (e.g., Sample ID: 12345)
- 2. Product Name:**
 - The name or description of the sample (e.g., Monoclonal Antibody, Lipid Nanoparticle)
- 3. Batch/Lot Number:**
 - The batch or lot number of the sample (e.g., Batch No: B1234)
- 4. Concentration:**
 - The concentration of the sample, if applicable (e.g., 10 mg/mL)
- 5. Date of Sampling:**
 - The date when the sample was collected (e.g., Date: 2024-07-20)
- 6. Storage Conditions:**
 - Recommended storage conditions (e.g., Store at 2-8°C, Keep Frozen)
- 7. Hazard Information:**
 - Any relevant hazard information or symbols (e.g., Biohazard, Flammable)

3. Specific Labeling Instructions for Different Sample Types

- 1. Biotherapeutics/mAbs/Proteins:**
 - Include the specific protein or antibody name and any relevant modifications.
- 2. Lipid Nanoparticles/Nanoparticles:**
 - Specify the type of nanoparticle and any encapsulated drug or payload.
- 3. Small Molecules:**
 - Include the chemical name and purity percentage.



4. Peptides:

- Include the peptide sequence or name.

5. Viral/Non-Viral Drug Delivery Systems:

- Specify the type of delivery system and any genetic modifications for viral vectors.

4. Labeling Examples

Example 1: Monoclonal Antibody

Sample ID: 12345

Product Name: Monoclonal Antibody (mAb)

Batch No: B1234

Concentration: 10 mg/mL

Date: MM/DD/YYYY

Store at 2-8°C

Example 2: Lipid Nanoparticle

Sample ID: 67890

Product Name: Lipid Nanoparticle

Batch No: LN5678

Concentration: 5 mg/mL

Date: MM/DD/YYYY

Store at -20°C

Example 3: Small Molecule

Sample ID: 54321

Product Name: Small Molecule (Compound X)

Batch No: SM4321

Purity: 98%



SAMPLE LABELING INSTRUCTIONS

Date: MM/DD/YYYY

Store at Room Temperature

5. Additional Tips

- **Duplicate Labels:** Consider placing a duplicate label inside the secondary packaging to ensure identification if the outer label is damaged.
- **Protective Covers:** Use clear protective covers over labels to prevent damage from moisture or solvents.
- **Barcode Labels:** If applicable, include a barcode for efficient sample tracking.

6. Contact Information

For any questions or additional guidance on labeling, please contact our technical support team at info@technopharmasphere.com, (<mailto:info@technopharmasphere.com>) or Call 919-637-7106.

By following these labeling instructions, you help ensure the accurate identification and handling of your samples, facilitating efficient and reliable analytical characterization by TechnoPharmaSphere Biopharma CRO.

Thank you for your cooperation!



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