

Parenteral and Powder Manufacturing Record

Experiment 2 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To complete the parenteral and powder manufacturing record activity and document a justified outcome.

Principle

Hospital manufacturing requires an approved formula, controlled processing, traceable materials and product-specific quality review.

Requirements

- Institution-assigned hospital scenario, approved policy documents or coded records.
- Activity form, calculator where required and supervising pharmacist.

Procedure

1. Identify the product

Choose the assigned powder or parenteral demonstration and record its formula and process version.

2. Check materials

Read lot, grade, status and quantity reconciliation; distinguish final quantity from vehicle added.

3. Trace processing

For powders, follow mixing and uniformity checks. For parenterals, review the validated sterile-process and container controls in the supplied record.

4. Assess quality

Review the required identity/content, physical and product-specific microbiological records. Training products are not administered.

5. Record disposition

State whether the record meets the assigned release requirements or needs investigation by the authorised personnel.

Observations and Record

Record component	Entry
Product / formula	_____
Material and quantity reconciliation	_____
Critical process checks	_____
Quality results	_____
Authorised disposition	_____

Worked Example

The numbers below are illustrative; enter your own observations in the record.

- Yield (%) = actual recovered quantity / theoretical quantity × 100.
- Example: 95 g from a 100 g powder batch basis gives 95% mass yield; uniformity still needs its own evidence.

Result

Activity / case code: _____. Finding: _____. Proposed action: _____. Review outcome: _____.

Precautions

- Use supplied records or the authorised local workflow; do not invent approvals or completed work.
- Protect patient and institutional confidential information.
- Keep a proposed student action distinct from an approved operational decision.

Viva Questions and Answers

1. Why document the basis of a decision?

It permits review of the evidence, responsibility and outcome.

2. What does the supervisor review?

The suitability of the proposed action and whether the record supports the conclusion.

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