

Demonstration of Metered-Dose Inhaler and Spacer

Experiment 26 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To demonstrate the correct use of a metered-dose inhaler and spacer with a dummy product or trainer.

Principle

A spacer can reduce coordination difficulties with an appropriate metered-dose inhaler.

Key Points

- Identify the exact inhaler; priming and shaking instructions differ.
- A metered-dose inhaler is different from a dry-powder inhaler.
- A corticosteroid-containing product may require mouth rinsing after use.

Activity Procedure

1. Prepare

Check the dummy inhaler, expiry/dose counter and device instructions; attach a compatible spacer.

2. Exhale

Breathe out comfortably away from the device.

3. Inhale

Actuate one puff into the spacer and use the manufacturer-approved slow inhalation or tidal-breathing method.

4. Repeat and clean

Follow prescribed spacing for further puffs; demonstrate product-specific cleaning and after-use advice.

Community Pharmacy and Management

Record and Observations

Product / trainer model	_____
Preparation check	_____
Observed technique / correction	_____
Teach-back / storage	_____

Result

Complete the record using your activity, then state the findings, the action required and the reason for that action.

Precautions

- Use dummy products or a designated trainer.
- Follow the specific manufacturer instructions and stop if the demonstration causes discomfort.

Viva Questions and Answers**1. Why identify the exact product?**

Preparation and use can differ between devices and formulations.

2. Why use a trainer?

It allows technique assessment without medicine administration.

3. What confirms understanding?

The learner correctly demonstrates and explains the steps.

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