



PRELIMINARY SURVEY VISIT

AREA III. CURRICULUM AND INSTRUCTION

D. CLASSROOM MANAGEMENT

D. 2. EVIDENCE THAT INDEPENDENT WORK/PERFORMANCE IS ENCOURAGED AND MONITORED, SUCH AS STUDENT OUTPUTS.

~10

40/10

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Date: September 15, 2025

Yea/Course/Section: 4 BSVT-B

Faculty: Ma'am Sittie Aima V. Kumpa

LABORATORY REPORT ON BLOOD SMEAR

A blood smear, or peripheral blood film, is a diagnostic test in which a thin layer of blood is placed on a glass slide, stained, and observed under a microscope. This procedure allows evaluation of the size, shape, and quantity of red and white blood cells as well as platelets. It is commonly used to detect and monitor various blood disorders, infections, and other cell-related conditions, including anemia and leukemia, and is often requested when a Complete Blood Count (CBC) yields abnormal results.

Materials:

Blood Sample: The source material for the smear.

Microscope Slides: Clean, flat glass slides to spread the blood on.

Spreader Slide: A second slide used to create the smear.

Lancet or Needle: For pricking the skin to obtain a drop of blood.

Alcohol Swabs: To clean and disinfect the puncture site before collecting blood.

Microscope: For examining the prepared and stained smear.

Staining Reagents: Such as Giemsa stain or Wright-Giemsa stain, used to color the cells so they can be easily seen.

BLOOD SMEAR LAB REPORT RUBRIC (50 pts)

Criteria	Points
Introduction (clear purpose & explanation)	10
Materials (complete and correct)	5
Procedure (clear steps, easy to follow)	10
Results/Observations (RBC, WBC, platelets described)	10
Discussion (explanation of results)	5
Format & Completeness (name, date, organized)	5
Grammar & Neatness	5



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COLLEGE OF VETERINARY MEDICINE
Department of Veterinary Technology

VT 12: Basic Veterinary Microbiology

Name: LOPLOS, D
POBLADOR, F
SUAREZ, CB
Year/Course/Section: 3 CVT D

Score: 70/100
Date: _____

Laboratory Exercise No. 4

Identification and Proper Handling of Equipment, Supplies, and Materials in the Microbiology Laboratory

I. Introduction

Microbiology laboratories contain specialized equipment, supplies, and materials used for the study and manipulation of microorganisms. Proper identification and understanding of these tools are essential for performing laboratory procedures accurately and safely. Each piece of equipment has a specific function and requires appropriate handling, cleaning, and storage to maintain its effectiveness and prevent contamination.

For students in veterinary technology and microbiology-related fields, familiarity with laboratory equipment is a foundational skill. Misuse of equipment may lead to contamination of samples, inaccurate results, or potential hazards in the laboratory.

This laboratory activity aims to familiarize students with common microbiology laboratory equipment, supplies, and materials by allowing them to visually identify and illustrate them while learning their functions and proper handling techniques.

II. Objectives

At the end of the laboratory activity, the students should be able to:

1. Identify common equipment, supplies, and materials used in a microbiology laboratory.
2. Describe the function or use of each laboratory equipment or material.
3. Demonstrate knowledge of proper handling and care of microbiology laboratory equipment.

III. Materials

- Laboratory manual or worksheet
- Pencil and eraser
- Colored pencils or pen (optional)

RUBRIC

1. Identification (20 pts)

- All equipment correctly identified (20)
- Few errors (15–19)
- Many errors (10–14)
- Mostly incorrect (0–9)

2. Function/Use (20 pts)

- Clear and accurate explanations (20)
- Minor errors (15–19)
- Basic/limited explanation (10–14)
- Incorrect or missing (0–9)

3. Proper Handling (20 pts)

- Correct handling and safety explained (20)
- Minor gaps (15–19)
- Limited understanding (10–14)
- Incorrect or missing (0–9)

4. Drawing/Illustration (20 pts)

- Accurate, neat, and well-labeled (20)
- Minor labeling/drawing errors (15–19)
- Incomplete or unclear (10–14)
- No drawing or incorrect (0–9)

5. Completeness (10 pts)

- All items answered (10)
- Few missing (7–9)
- Many missing (4–6)
- Mostly incomplete (0–3)

6. Neatness & Organization (10 pts)

- Very neat and organized (10)
- Slightly messy (7–9)
- Hard to read (4–6)
- Very untidy (0–3)

TOTAL: _____ / 100