

GROUP 4 LAB REPORT

Determination of Blood Groups

INTRODUCTION

Blood is an internal body fluid that circulates. It is composed of two parts: a liquid part called Plasma, and a solid part called red blood cells (RBCs), white blood cells (WBCs), and platelets, which are the four primary components of blood. The blood is a vital element of the body since it is responsible for carrying oxygen and nutrients throughout the body so that it may continue to operate. There are four major blood types; A, B, AB, and O. There are also negative and positive factors that determine our blood types. O- is known as a universal donor, and AB+ is known as a universal recipient. It is necessary to determine our blood type. The video discussed the procedure of blood typing. Blood typing has been done to determine our blood type, which protects our safety when giving and receiving blood, and whether we have an RH factor on the surface of RBCs.

MATERIALS

- Freshly collected blood sample
- Porcelain spot plate
- Normal saline
- Small test tube
- Dropper
- Antisera
 - Anti-A
 - Anti-B
 - Anti-D

METHODS

- Fill half of the test tube with normal saline.
- Add 2-3 drops of blood to the test tube containing normal saline.
- Take a clean porcelain spot plate and mark them A, B, C, D.
- Put 1 drop of antisera solution **Anti-A, Anti-B, Anti-D** in **A, B, & D** porcelain spot plate respectively.
- With the help of a dropper add drops of normal saline mixed with blood in all the spot plates.
- Gently shake your porcelain spot plate and wait for 10 minutes.

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Groups In Lab Report:

America's Lab Report National Research Council, Division of Behavioral and Social Sciences and Education, Center for Education, Board on Science Education, Committee on High School Laboratories: Role and Vision, 2006-01-20 Laboratory experiences as a part of most U S high school science curricula have been taken for granted for decades but they have rarely been carefully examined What do they contribute to science learning What can they contribute to science learning What is the current status of labs in our nation s high schools as a context for learning science This book looks at a range of questions about how laboratory experiences fit into U S high schools What is effective laboratory teaching What does research tell us about learning in high school science labs How should student learning in laboratory experiences be assessed Do all student have access to laboratory experiences What changes need to be made to improve laboratory experiences for high school students How can school organization contribute to effective laboratory teaching With increased attention to the U S education system and student outcomes no part of the high school curriculum should escape scrutiny This timely book investigates factors that influence a high school laboratory experience looking closely at what currently takes place and what the goals of those experiences are and should be Science educators school administrators policy makers and parents will all benefit from a better understanding of the need for laboratory experiences to be an integral part of the science curriculum and how that can be accomplished **Report** ,1957 *Catalog of Technical Reports* ,1958 **Lab Reports and Projects in Sport and Exercise Science** Mike Price, 2014-05-22 Lab Reports and Projects in Sport and Exercise Science A guide for students provides a comprehensive overview of what should be contained within each section of a scientific report and clearly explains how it should be presented Written in a friendly and engaging style it guides the reader through abstracts literature reviews methodology reporting discussions and referencing and contains a wealth of examples and practical advice on how to improve and refine your own writing From writing a first lab report to preparing a final year dissertation or postgraduate thesis sports and exercise science students at all levels will find this book a valuable resource in developing both skill and confidence in scientific communication Key features The layout of the book is designed to reflect that of a typical scientific report to help students plan their own projects Each chapter includes numerous examples exercises and activities to engage students and develop skills in each aspect of report writing Includes discussion of critical appraisal techniques to help students refine their research questions All data sets and illustrations used are drawn from the key disciplines in sport and exercise science including physiology psychology and biomechanics **Catalog of Technical Reports** United States. Dept. of Commerce. Office of Technical Services, [Science Educator's Guide to Laboratory Assessment](#) Rodney L. Doran, 2002 The book opens with an up to date discussion of assessment theory research and uses Then comes a wealth of sample assessment activities in biology chemistry physics and Earth science Keyed to the National Science Education Standards the activities include reproducible task sheets and scoring rubrics All are ideal for helping

students reflect on their own learning during science lab *Exemplary Science in Grades 5-8* Robert Eugene Yager,2006
This volume is the third in NSTA s Exemplary Science monograph series which provides the results of an unprecedented national search to assess how well the Standards vision has been realized nine years after the National Science Education Standards were release **Subject Index to Unclassified ASTIA Documents** Defense Documentation Center (U.S.),1960
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