血常规实验报告

一、实验原理

血常规是最一般，最基本的血液检验。血液由液体和有形细胞两大部分组成，血常规检验的是血液的细胞部分。血液有三种不同功能的细胞--红细胞(俗称红血球)，白细胞(将白细胞分为 5 类包括淋巴细胞、单核细胞、中性粒细胞、嗜酸性粒细胞、嗜碱性粒性细胞)，血小板。通过观察数量变化及形态分布，判断疾病。是医生诊断病情的常用辅助检查手段之一。半导体激光散射技术结合流式细胞技术实现精确的白细胞五分类，环保无氰化物测定血红蛋白。

二、实验器材及试剂

1. 主要实验器材

名称	厂家名称	型号
全自动五分类血液分析仪	特康科技	TEK8500H4-0502

2. 主要实验试剂

试剂名称	厂家名称	型号
血细胞分析用鞘液	特康科技	鞘液 A
血细胞分析用溶血剂	特康科技	TEK8510
血细胞分析用清洗液	特康科技	清洗液 C1

三、实验步骤

开机→选择动物类型→选择检测模式→上样检测

四、结果判读：

详见结果表格

五、送样运输要求：

EDTA 抗凝管取适量抗凝全血。EDTA 与血液最佳浓度比为 1.5mg/ml，样本量不可太多或太少，取样后上下轻轻颠倒几次使血液与抗凝剂充分混匀。4℃运输，不可与冰袋直接接触，不可猛烈撞击。

Blood Routine Test Report

Experimental principle

Blood routine is the most general, the most basic blood test. Blood consists of two parts: liquid and visible cells. Blood routine tests the cellular part of blood. Blood has three different types of functional cells - red blood cells (commonly known as red blood cells), white blood cells (divided into five categories including lymphocytes, monocytes, neutrophils, eosinophils, basophilic granulocytes), and platelets. The disease was judged by observing the quantity change and morphological distribution. It is one of the commonly used auxiliary examination means for doctors to diagnose the condition. Semiconductor laser scattering technology combined with flow cytometry technology to achieve accurate five classification of white blood cells, environmentally friendly cyanide-free determination of hemoglobin.

Laboratory equipment and reagents

Laboratory equipment

Equipment	Manufacturers	Model
Five-part fully automated hematology analyzer	Tecom	TEK8500H4-0502

Laboratory reagents

Reagents	Manufacturers	Catlog
Sheath fluid for blood cell analysis	Tecom	A
Hemolytic agents for blood cell analysis	Tecom	TEK8510
Cleaning solution for blood cell analysis	Tecom	C1

Operation steps

Boot → select animal type → select detection mode → sample loading detection

Result

See the results table for details

Sample and shipping requirements

For sample, take an appropriate amount of whole blood with an EDTA anticoagulant tube. The optimal concentration ratio of EDTA to blood is 1.5mg/mL. After sampling, gently turn up and down several times to mix the blood well with the anticoagulant.

For shipping conditions, the samples are shipped at 4℃. Please do not contact with ice packs, and do not violently impact.