

## 苯胺蓝染色实验报告

### 一、实验器材及试剂

#### 1、 实验器材

名称	厂家	型号
脱水机	DIAPATH	Donatello
包埋机	武汉俊杰电子有限公司	JB-P5
病理切片机	上海徠卡仪器有限公司	RM2016
冻台	武汉俊杰电子有限公司	JB-L5
组织摊片机	浙江省金华市科迪仪器设备有限公司	KD-P
烤箱	天津市莱玻璃仪器设备有限公司	GFL-230
载玻片	Wanwu	
正置光学显微镜	日本尼康	NIKON ECLIPSE E100
成像系统	日本尼康	NIKON DS-U3

#### 2、 主要实验试剂

试剂名称	厂家	货号
二甲苯	国药集团化学试剂有限公司	10023418
苯胺蓝染液	Wanwu	G1071
中性树胶	国药集团化学试剂有限公司	10004160

### 二、实验步骤

- 1、石蜡切片脱蜡至水：**依次将切片放入二甲苯I20min-二甲苯II20min-无水乙醇15min-无水乙醇II5min-75%酒精 5min，自来水洗。
- 2、苯胺蓝染色：**切片入苯胺蓝染液 5-10min 后，自来水洗，将切片放置 60℃烤箱内烤干。
- 3、脱水封片：**切片放入二甲苯5min透明，中性树胶封片。
- 4、显微镜镜检，**图像采集分析。

**三、结果判读：**植物中的真菌呈蓝色。

## Aniline Blue Staining Experiment Report

### I. Experimental equipment and reagents

#### 1. Experimental equipment

Equipment name	Manufacturer	Model No.
Dehydrator	DIAPATH	Donatello
Embedding center	Wuhan Junjie Electronics Co., Ltd.	JB-P5
Pathological microtome	Shanghai Leica Instrument Co., Ltd.	RM2016
Cooling plate	Wuhan Junjie Electronics Co., Ltd.	JB-L5
Tissue spreading water bath	Zhejiang Jinhua Kedi Instrumental Equipment Co., Ltd.	KD-P
Oven	Tianjin Leibo Terry Equipment Co., Ltd.	GFL-230
Microscope slide	Wanwu	
Upright electron microscope	JAPAN NIKON	NIKON ECLIPSE E100
Imaging system	JAPAN NIKON	NIKON DS-U3

#### 2. Main experimental reagents

Reagent name	Manufacturer	Item No.
Xylene	Sinopharm Chemical Reagent Co., Ltd.	10023418
Aniline blue staining solution	Wanwu	G1071
Neutral balsam	Sinopharm Chemical Reagent Co., Ltd.	10004160

### II. Experiment steps

**1. Deparaffinize the paraffin sections to water:** Place the sections in sequence in Xylene I for 20min - Xylene II for 20min - Anhydrous ethanol I for 5min - Anhydrous ethanol II for 5min - 75% Ethyl alcohol for 5min , wash with tap water.

**2. Aniline blue staining:** Put the sections into aniline blue staining solution for 5-10min, wash with tap water, and place the sections in 60°C oven to dry.

**3. Dehydration and sealing:** Put the sections in Xylene for 5min for transparency, at last, seal with neutral balsam.

**4. Microscope inspection, image acquisition and analysis.**



合肥万物生物科技有限公司

Hefei WANWU technology CO.,LTD

---

**III. Interpretation of results:** The fungus in the plant is blue.