



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	上海徕卡仪器有限公司	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	Servicebio	
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	Servicebio	G1071
中性树脂	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I5min-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，中性树脂封片。
- 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	Servicebio	
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	Servicebio	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.**

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