

间苯三酚染色实验报告

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
无水乙醇	国药集团化学试剂有限公司	100092683
二甲苯	国药集团化学试剂有限公司	10023418
间苯三酚染色液	Wanwu	G1060
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I5min-无水乙醇II5min-75%酒精5min，自来水洗。

2、浸染：切片入间苯三酚C液染色5s，水洗，晾干。

3、染色：用组化笔圈住组织，用巴氏滴管滴加适量间苯三酚染液B覆盖组织，染色30s，用另一干净吸管滴加适量间苯三酚染液A于组织上吹打混匀，染色2min。

4、封片及拍照：用吸管吸去部分染液后，用盖玻片进行封片（石蜡切片组织上不能有气泡，冰切片子气泡存在与OCT中，无法避免，拍照时尽量避免。）在3min内拍照保存结果。

三、结果判读：

木质化成分呈红色，背景无色或者是组织本身的颜色。

Experimental report of resorcinol dyeing 1

1. Experimental equipments and reagents

1.1 Experimental equipments

Name	Manufacturer	Model
Dehydrator	DIAPATH	Donatello
Embedding machine	Wuhan Junjie Electronics Co., Ltd.	JB-P5
Pathology slicer	Shanghai Leica Instruments Co., Ltd.	RM2016
Frozen platform	Wuhan Junjie Electronics Co., Ltd.	JB-L5
Organizer	Jinhua City, Zhejiang Province Cody Instrument Equipment Co., Ltd.	KD-P
oven	Tianjin Lai Bo Rui Instrument Equipment Co., Ltd.	GFL-230
Glass slide	Wanwu	
Upright optical microscope	Nikon Japan	Nikon Eclipse E100
Imaging system	Nikon Japan	Nikon DS-U3

1.2 Main experimental reagents

Reagent name	Manufacturer	Article number
Absolute ethanol	Sinopharm Group Chemical Reagent Co., Ltd.	100092683
Xylene	Sinopharm Group Chemical Reagent Co., Ltd.	10023418
Resorcinol staining solution	Wanwu	G1060
Neutral gum	Sinopharm Group Chemical Reagent Co., Ltd.	10004160

2. Experimental steps

2.1 Paraffin slides dewaxed as follow: Two changes of pure xylene for 20 min; Two changes of pure ethanol for 5min; 75% ethanol for 5min; Keep slides in tap water.

2.2 The slides were immersed in resorcinol C to stain for 5s and then washed with tap water for 10 s.

2.3 Staining: Enclose the tissue with a tissue pen, cover the tissue with a pasteur dropper and add an appropriate amount of resorcinol stain B, stain for 30s and add an appropriate

amount of resorcinol stain A to the tissue with another clean pipette Mix by upswing and dye for 2 min.

2.4 Caption and photographing: after sucking off part of dye solution with straw, seal with cover with cover slide (no bubbles on paraffin section tissue, ice cut film bubbles exist and OCT, can not avoid, when taking as far as possible avoid.) Take photos and save the results within 3 min.

3. The results were as follows

3.1 The lignified ingredients were red, the background was colorless, or the tissue itself was colored.