



爬片，滴片，涂片实验报告

一、实验器材及试剂

1、实验器材

名称	厂家	型号
六孔板		
解剖镊		
巴氏吸管	SERVICEBIO	WGXC0005
洗瓶		
烤箱	天津市莱玻瑞仪器设备有限公司	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
破膜液	Servicebio	G1204
固定液	Servicebio	G1101
中性树胶	国药集团化学试剂有限公司	10004160

二、实验步骤

细胞爬片染色:

1、爬片前处理:

①爬片固定：在孔中滴加3ml固定液，固定15min。吸净孔中固定液，纯水水洗3次。

②爬片破膜：在孔中滴加3ml破膜液，破膜15min。吸净孔中破膜液，纯水水洗3次。

2、爬片染色：后续染色步骤同石蜡切片相同，染色时间适当延长，清洗或者更换染液使用巴氏吸管吸净之前的染液。

3、爬片封片：加入适量酒精或水（根据染色种类选择）后挑起爬片，爬片靠在孔边缘，吸净酒精后放置于65℃烤箱烘干15min。从烤箱中取出装有爬片孔板，在载玻片上写下每个孔



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板的编号，在载玻片上滴加一滴中性树胶后，用镊子夹起对应编号的爬片，细胞面朝下封片。

4.拍照：在显微镜下观察并拍照保留结果。

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Climbing Film, Dropping Film, Experimental Report

1. Experimental equipment and reagents

1.1 Experimental equipment

Name	Manufacturer	Model
Six-well plate		
Dissecting forceps		
Pasteur pipette	Servicebio	WGXG0005
Bottle washing		
oven	Tianjin Lai Bo Rui Instrument Equipment Co., Ltd.	GFL-230
Glass slide	Servicebio	
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
Membrane Breaker	Servicebio	G1204
Fixative	Servicebio	G1101
Neutral gum	Sinopharm Group Chemical Reagent Co., Ltd.	10004160

2. Experimental steps

Cell slide staining:

2.1 Pre-treatment of climbing piece:

- ① Fixing of climbing piece: add 3ml of fixing solution to the hole and fix it for 15min. Absorb the fixing solution in the hole and wash it 3 times with pure water.
- ② Breaking film of climbing piece: add 3ml of broken piece to the hole Membrane liquid, membrane breakage for 15 min. Absorb membrane breakage liquid in the pores and wash with pure water 3 times.

2.2 Climbing slide staining: the subsequent staining steps are the same as the paraffin section, the staining time is appropriately extended, and the paste or pipette is used to clean or replace the staining solution and suck up the previous staining solution.



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2.3 Climbing film: add appropriate amount of alcohol or water (according to the type of dyeing) and pick up the film. The film rests on the edge of the hole. After absorbing the alcohol, it is placed in a 65 ° C oven and dried for 15 minutes. Take it out of the oven. Slide the well plate, write the number of each well plate on the slide, after dropping a drop of neutral gum on the slide, use tweezers to pick up the slide with the corresponding number, and seal the cell face down.

2.4 Observed under microscope and took images.