

# METHODS OF STUDY

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## LIGHT MICROSCOPE

COMPOUND LIGHT MICROSCOPE

LIGHT MICROSCOPE COMPONENTS

ILLUMINATOR

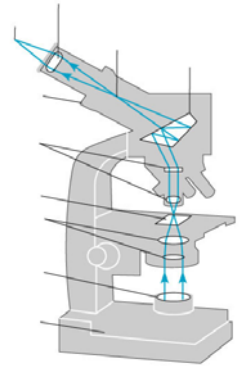
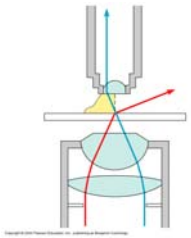
CONDENSOR

IRIS DIAPHRAGM

OBJECTIVE LENS

OCULAR LENS

OIL IMMERSION OBJECTIVE



(b)  
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RESOLUTION

TYPES OF ILLUMINATION

BRIGHTFIELD MICROSCOPY

DARKFIELD MICROSCOPY

PHASE-CONTRAST MICROSCOPY

FLOURESCENT MICROSCOPY

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# **ELECTRON MICROSCOPE**

GENERAL CONCEPTS

TRANSMISSION ELECTRON MICROSCOPE (TEM)

SCANNING ELECTRON MICROSCOPE (SEM)

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## **MEASUREMENT**

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## **CULTIVATION**

CULTURE MEDIA

COMPLEX MEDIA

SYNTHETIC (DEFINED) MEDIA

NUTRIENT BROTH

NUTRIENT AGAR

ENRICHED MEDIA

DIFFERENTIAL MEDIA

SELECTIVE MEDIA

ISOLATION METHODS  
GOAL

ISOLATION STREAK PLATING

TISSUE CULTURE

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## **STAINING**

GENERAL CONCEPTS & TECHNIQUE

SIMPLE STAIN  
BASIS

PROCEDURE

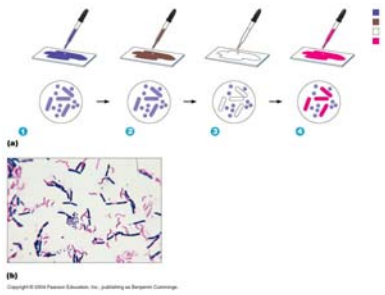
NEGATIVE STAIN  
BASIS

PROCEDURE

DIFFERENTIAL STAINS

GRAM STAIN  
BASIS

PROCEDURE  
PRIMARY STAIN



MORDANT

DECOLORIZER

COUNTERSTAIN

USES & IMPORTANCE

ACID FAST STAIN  
BASIS

PROCEDURE  
PRIMARY STAIN

DECOLORIZER

COUNTERSTAIN

USES

SPORE STAIN  
BASIS

PROCEDURE  
PRIMARY STAIN

DECOLORIZER

COUNTERSTAIN

USES

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