

A petri dish containing a blue agar medium with numerous circular, white-to-cream-colored fungal colonies of varying sizes. Some colonies have dark, fuzzy centers. A hand wearing a white nitrile glove is holding the edge of the petri dish. The background is a blurred green and blue.

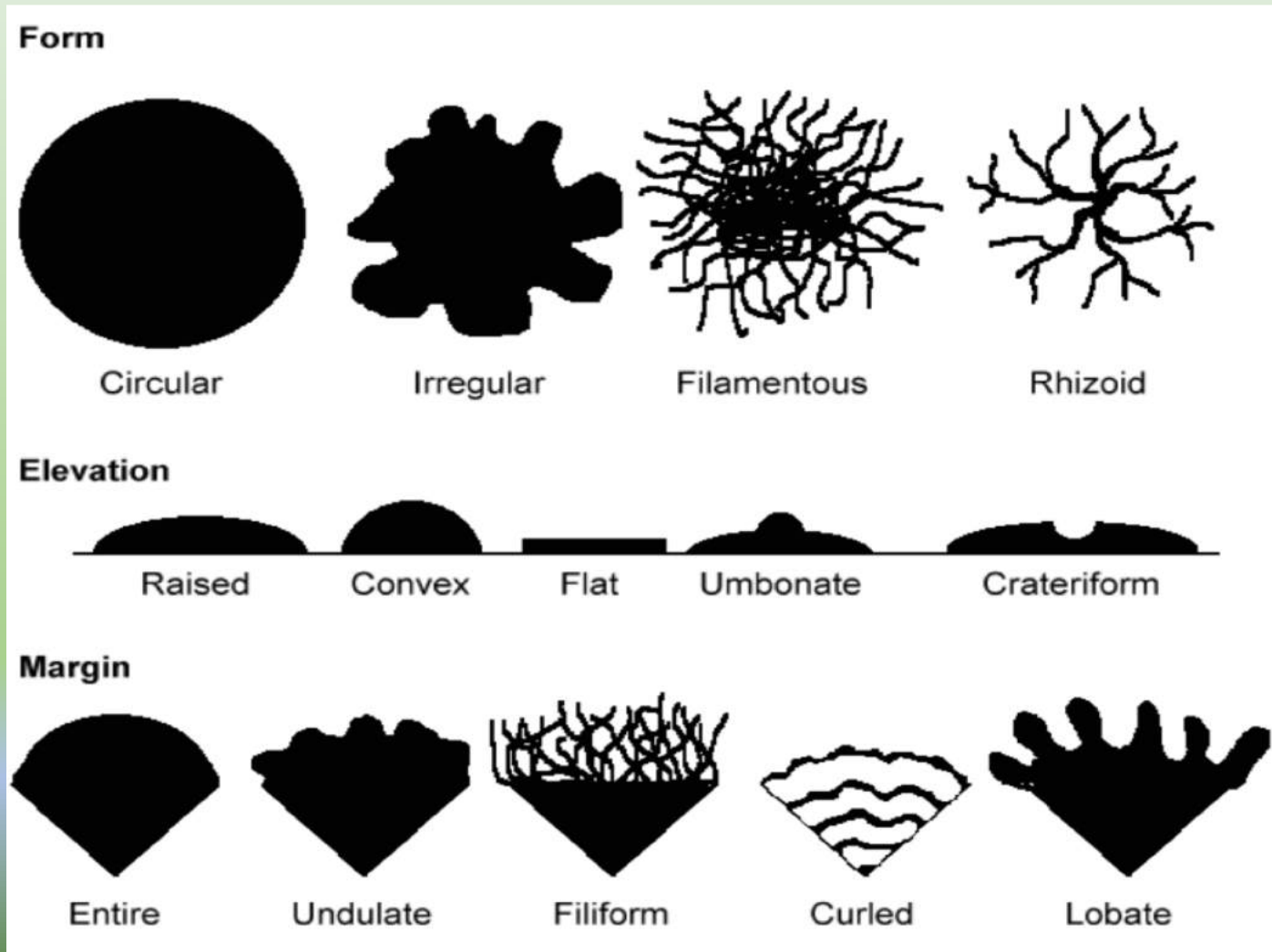
Detection of Fungi

Lab 8

Colony Morphology (macroscopic features):

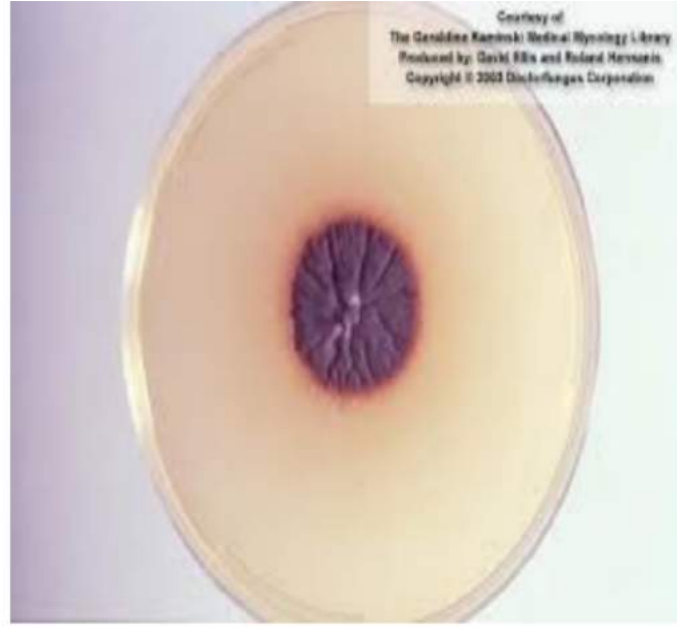
- **Surface topography** - some fungal colonies may be free growing, covering the entire surface of agar; others may grow in a restricted manner.
- **Surface texture** - cottony or wooly (floccose), granular, chalky, velvety, powdery, silky, glabrous (smooth, creamy), or waxy.
- **Pigmentation** - Fungi may be colorless or brightly colored. Color may be on fungus itself, on its sporulating apparatus, on the agar, or on the bottom of the colony (reverse pigmentation).

Colony Morphology (macroscopic features):





Granular/powdery



Wrinkled



velvety

wolly



mucoid



cottony

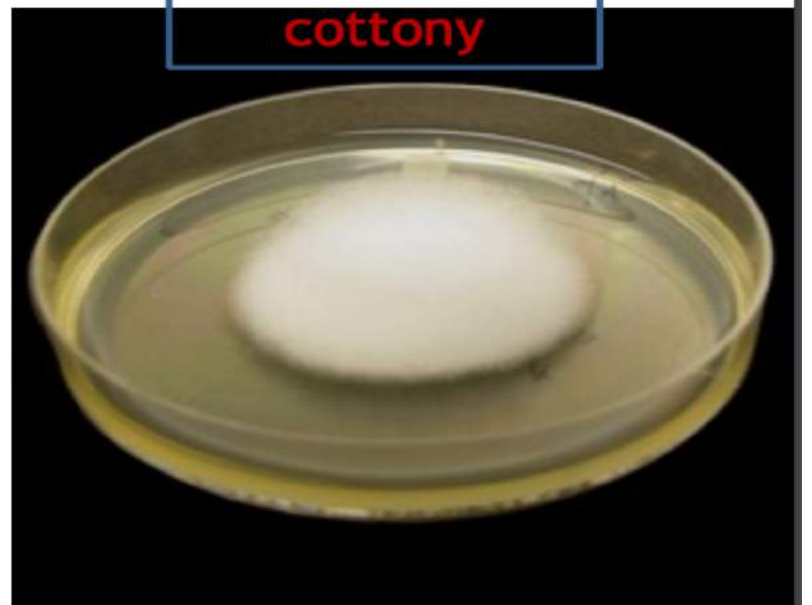


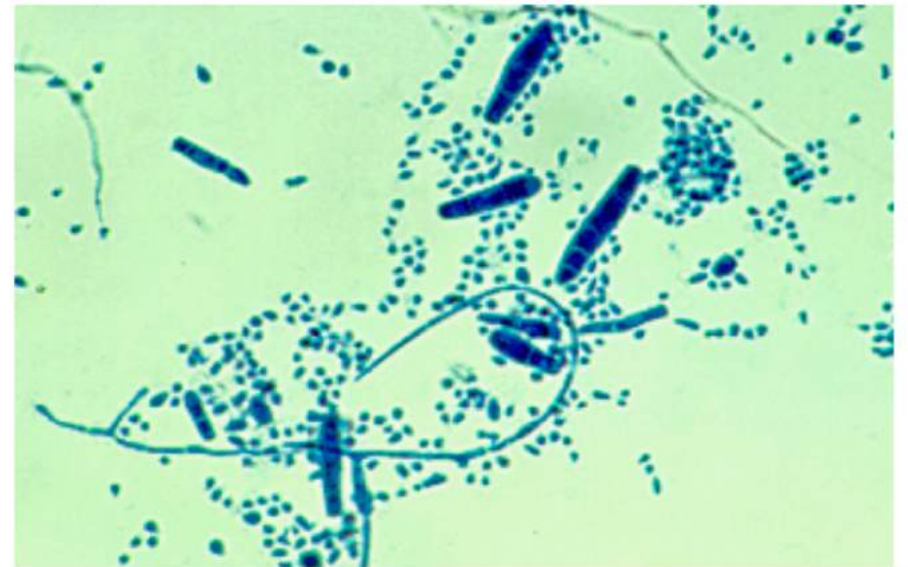
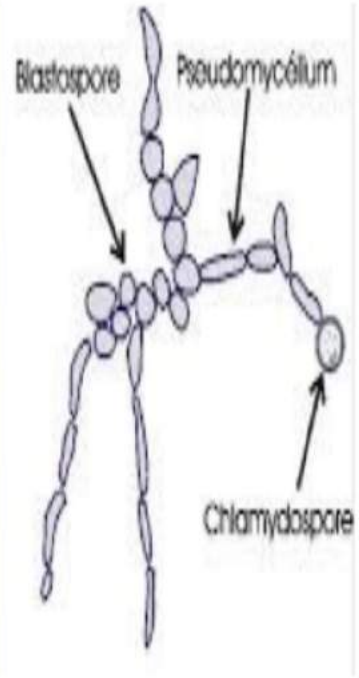
Fig. 3 : Candida Colonies

Microscopic observation

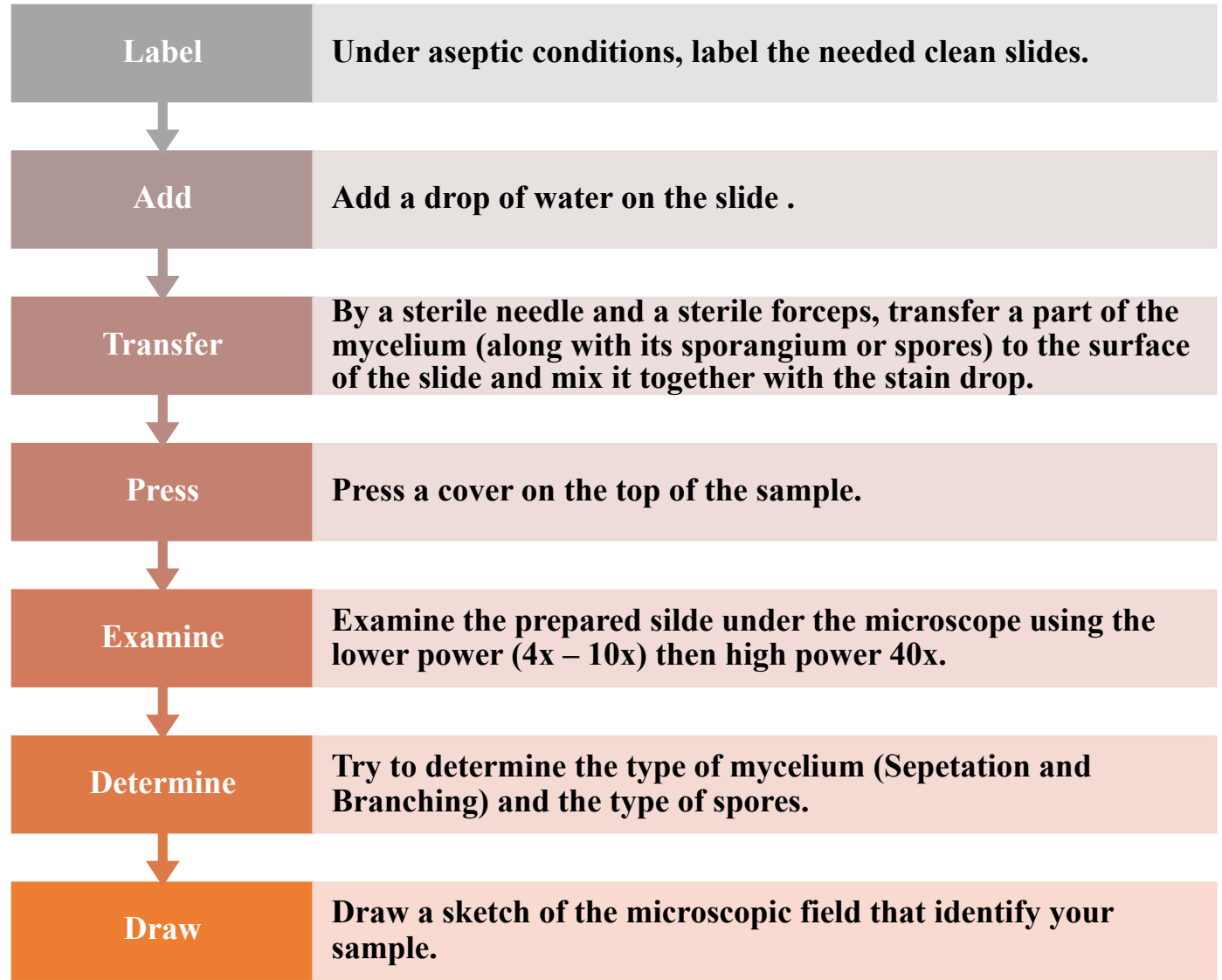
- Mycelium- Mold/yeast
- Hyphae – coenocytic/septate
- Asexual reproduction.-vegetative spores/ aerial spores or both
- Spores/conidia
 - Blastospore, chlamydospores, arthrospores, Macroconidia ,microconidia
- Colour of the hyphae



R. Moreda - Lycée Docteur Lacroix - Narbonne



Method



- <https://www.youtube.com/watch?v=V3oALsDK8FY>
- <https://www.youtube.com/watch?v=OMIF1Elr9i4>