

SERRATIA MARCESCENS BACTERIA

PINK BIOCHROME



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RENEWABLE - VEGAN
COMPOSTABLE - REUSABLE

INGREDIENTS & TOOLS:

- LB Broth - 10 g
- Water - 500 ml/g
- Denat. alcohol 96% - 150 ml or so
- Serratia Marcescens (level 1) bacteria inoculated on nutrient agar
- Silk chiffon, and thread and needle

NOTE: this recipe requires some biolab skills!

Tools: gas burner, incubator, pressure cooker, precision scale, heat-proof lab bottle, autoclave tape, gloves, parafilm, large glass petri dishes, lighter, inoculation loop, paper.

THIS IS A VARIATION ON:

Biochromes, by Textile Clothing & Business Labs and Cecilia Raspanti. No changes.

MAKING PROCEDURE:

- Rinse and dry the silk, fold up as desired and fasten with a stitch. Place inside a glass petri dish and stick on some autoclave tape
- Prepare the growth medium in a heat-proof lab bottle, stick on autoclave tape. Place on the cap without tightening it.
- Sterilize the petri dish and growth medium in pressure cooker for 20 mins. Let cool.
- Plate the large petri dish (containing the silk with the sterile LB broth. Inoculate the bacteria. Seal with parafilm. Incubate 3 days.
- Sterilize in pressure cooker for 20 mins to kill bacteria. Let it cool before opening.

Continue to grow and multiply the Serratia Marcescens bacteria or store in the freezer on a glycerine stock. Pigment may be harvested as dye.