

Discharged Dyeing with Bleach

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### Discharged Dyeing with Bleach Project

Discharged dyeings with bleach have always been beautiful in their unique ways. Resist-dyeing with bleach is not easy to fade, because we did a discharged dyeing with bleach in lab #7 in the class before. Until now, the colors and the patterns of fabrics have remained the same. It is very easy to do and the results come out very unique. You can create different patterns on it. But when you are doing this experiment, you need to wear a mask, gloves, light color clothes, and goggles to protect yourself. Some of the results will come out red. But the color results depend on the tightness of the fabrics, how much bleach and water you put in, and the time of the dyeing.

I experimented with discharged dyeing with bleach to see the beauty of discharged dyeing. The dyestuff I used in my experiment was Clorox Bleach.

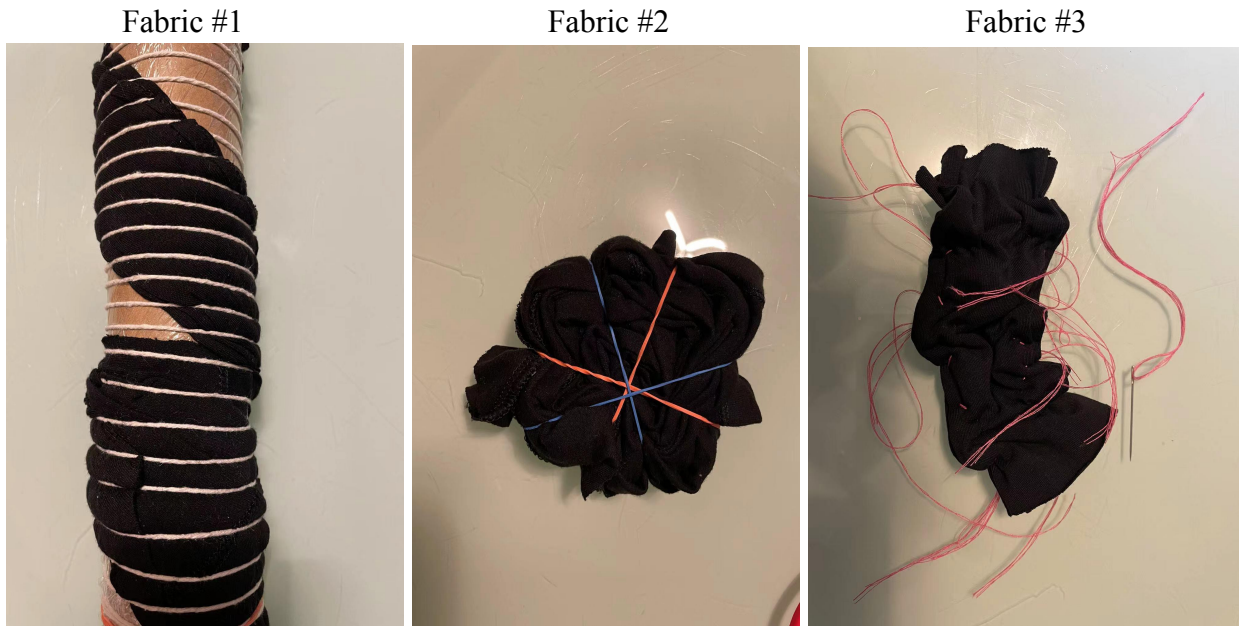
- **Material List:**

The materials I used to make the dyes were:

Fabric #1 (Shibori technique)	Fabric #2	Fabric #3 (Shibori technique)
Black fabric (100%cotton)	Black fabric (100%cotton)	Black fabric (60% cotton, 40% polyester)
String and Rubberband	Rubber band	Needle and Thread
Gloves	Gloves	Gloves
Clorox Bleach	Clorox Bleach	Clorox Bleach
Water	Water	Water
Plastic washbasin	Aluminum pans	Plastic washbasin
Scissors	Brush	Scissors

- **Dyeing Processes:**

Step 1: Preparing the T-shirt:



The first thing I did for this project shape my fabric with different patterns. I decided to use two traditional shibori techniques to do this project, which are fabric #1 (using string) and fabric #3 (with needle and thread).

Step 2: Mix water and bleach into one:



The next thing I did was mix the water and bleach into one. Left: 50% bleach and 50% water. Right 70% water and 30% bleach. Fabric #1 and Fabric #3 used the dye water on the left. And fabric #2 used the dye water on the right.

Step #3: Soaking:

1) Fabric #1 and Fabric #3:



I put fabric #1 and Fabric #3 into the bleach water for 10 minutes and let them soak.

2) Fabric #2:



1. Instead of soaking fabric #2, I used a brush to put bleach water to remain on the surface of the fabric and let the bleach sit for 25 minutes.

2. After 25 minutes, I spiral the fabric in the opposite direction of the first spiral. This one was turned to the left, while the first one was turned to the right. And I flipped the fabric over and used the brush to put bleach water to remain on the surface of

the fabric, and let the bleach sit for 25 minutes.

Step 4: Washing

The next thing I did was remove all the strings, rubber bands, and threads from the fabrics. And then used cold water to wash the fabrics with soap, and hang them up.

Step 5: Final results

Result 1: Fabric #1



Result 2: Fabric #2



Result 3: Fabric #3



Those are my final results. The results turned out the way I expected. I love the patterns and the colors. I think I should soak my fabrics (fabric #1 and fabric #3) longer to get more

patterns because Fabric #1 and Fabric #3 still have a lot of blacks (The color of the original fabric).

- **Comparison and findings:**

First project process and outcome



Second project process and outcome



- Dyeing process and outcome: In the process of preparing my fabrics, I used different traditional Shibori techniques in these two experiments. In my first experiment, I tied my fabric loosely, so I didn't get additional patterning, and the patterns were not so obvious. In the second experiment, I learned from the failure experience of the first experiment. I tried my best to tie my fabric as tightly as possible to get additional patterns. Finally, the results comes out the way I wanted, I got additional patterns, and the second experiment's patterns were more obvious than the first experiment.

- **Conclusion:**

For this experiment, I discharged dyeing with Clorox bleach. The experiment turned out the way I expected. I have a lot of fun doing this experiment, my family also love the results I got, and my mother ask me to discharge dyeing a T-shirt for her. In my experience, please wear a mask to protect your throat when you do this experiment. What I learned from the dyeing process is that the tighter you tie the fabric, the more pattern you get.

References:

- Craftsy. (2019, June 14). *3 Shibori Tie Dye Techniques*. [Video]. Youtube.

[https://www.youtube.com/watch?v=VGzIDZ-\\_nZg](https://www.youtube.com/watch?v=VGzIDZ-_nZg)

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<https://www.youtube.com/watch?v=73zDrISlySw>