

Biochromes

Fabricademy 2025-2026

Preparation

Material	Scour	Mordant	Fixative
Cotton-viscose blend	Boil in sodium carbonate + water for 1 hour, rinse	DIY 3-acetate cold immersion bath, allow to fully dry before fixing	Wet in percarbonate + water before
Wool	Heat gently in mordant bath for 1 hour, allow to cool in the pot	potassium aluminum sulfate 15% WOF + pinch cream of tartar	no
Silk	Heat gently in mordant bath for 1 hour, allow to cool in the pot	potassium aluminum sulfate 15% WOF + pinch cream of tartar	no

Dye recipe (per pot)

Fiber + Dye (150% WOF*) + Water = Dyed Fabric

*Noted if dyestuff was less than 150% WOF

30 g

Fibers

45 g

Dyestuff

1-2 L

Water

1-2 g

pH Modifiers



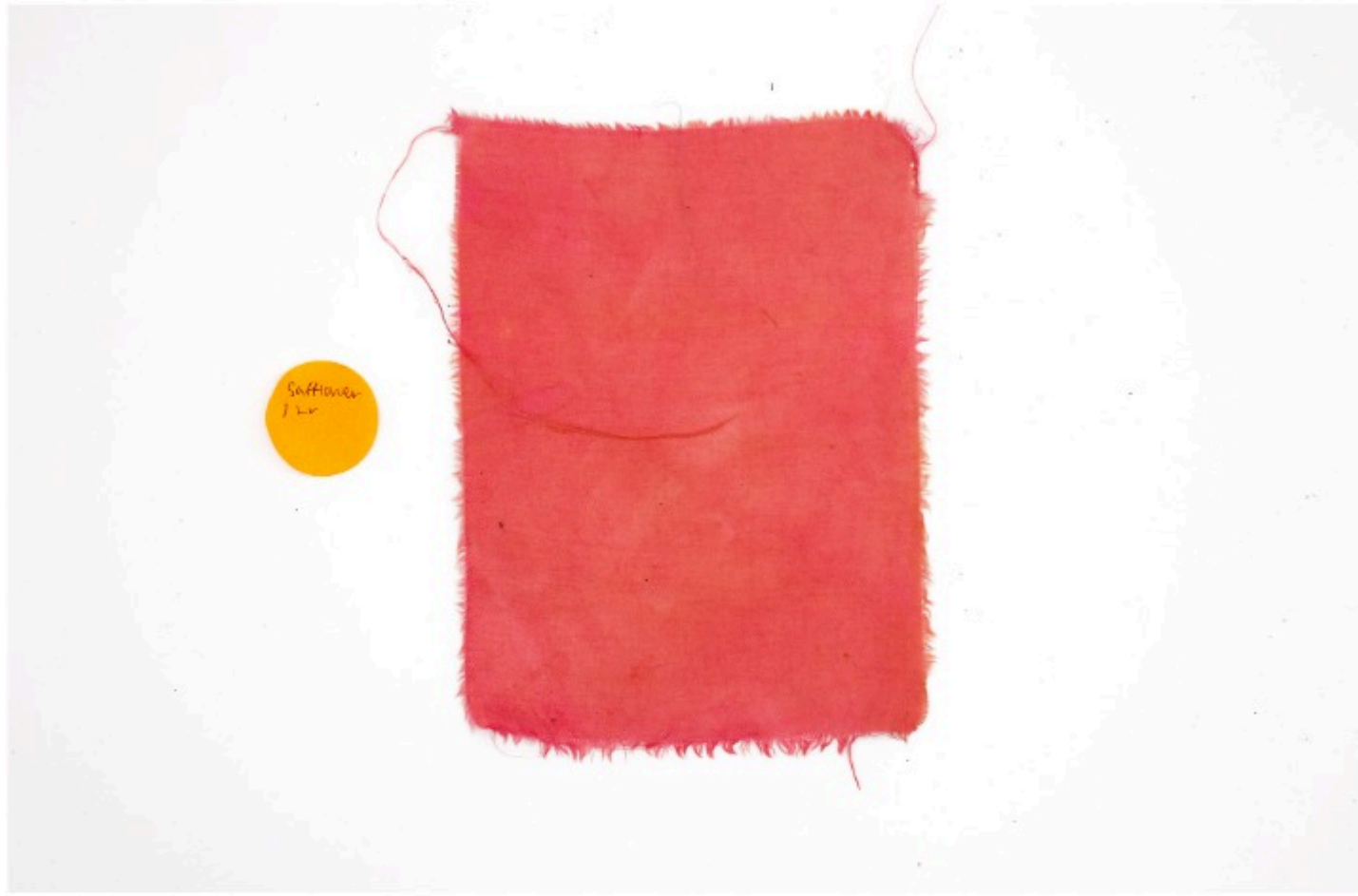
Cochineal

- Neutral
- Overnight



Cochineal

- Neutral
- 40 mins



Safflower

- Neutral
- 1 hour
- 40 grams (130% WOF)



Safflower

- Neutral
- Overnight
- 40 grams (130% WOF), processed for red/pink, no heat



Coreopsis

- Iron
- Overnight
- Heated then left to cool



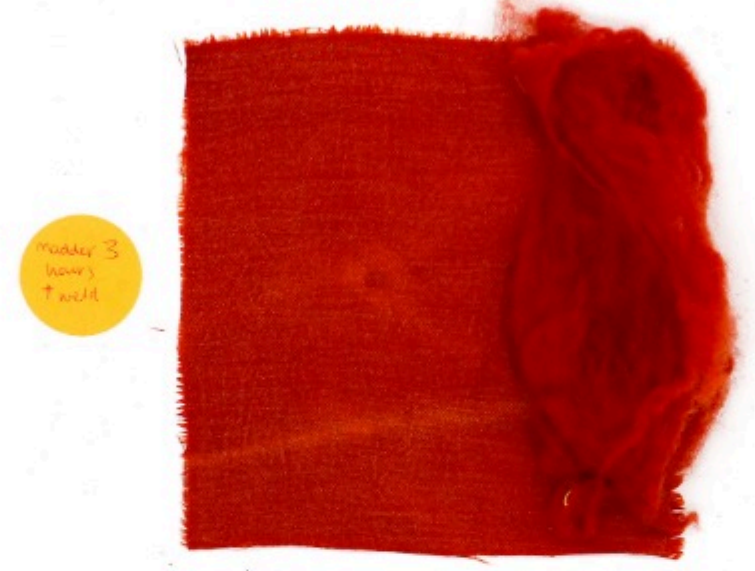
Coreopsis

- Neutral or modifier
- Placed in heated bath but left to cool and dye overnight



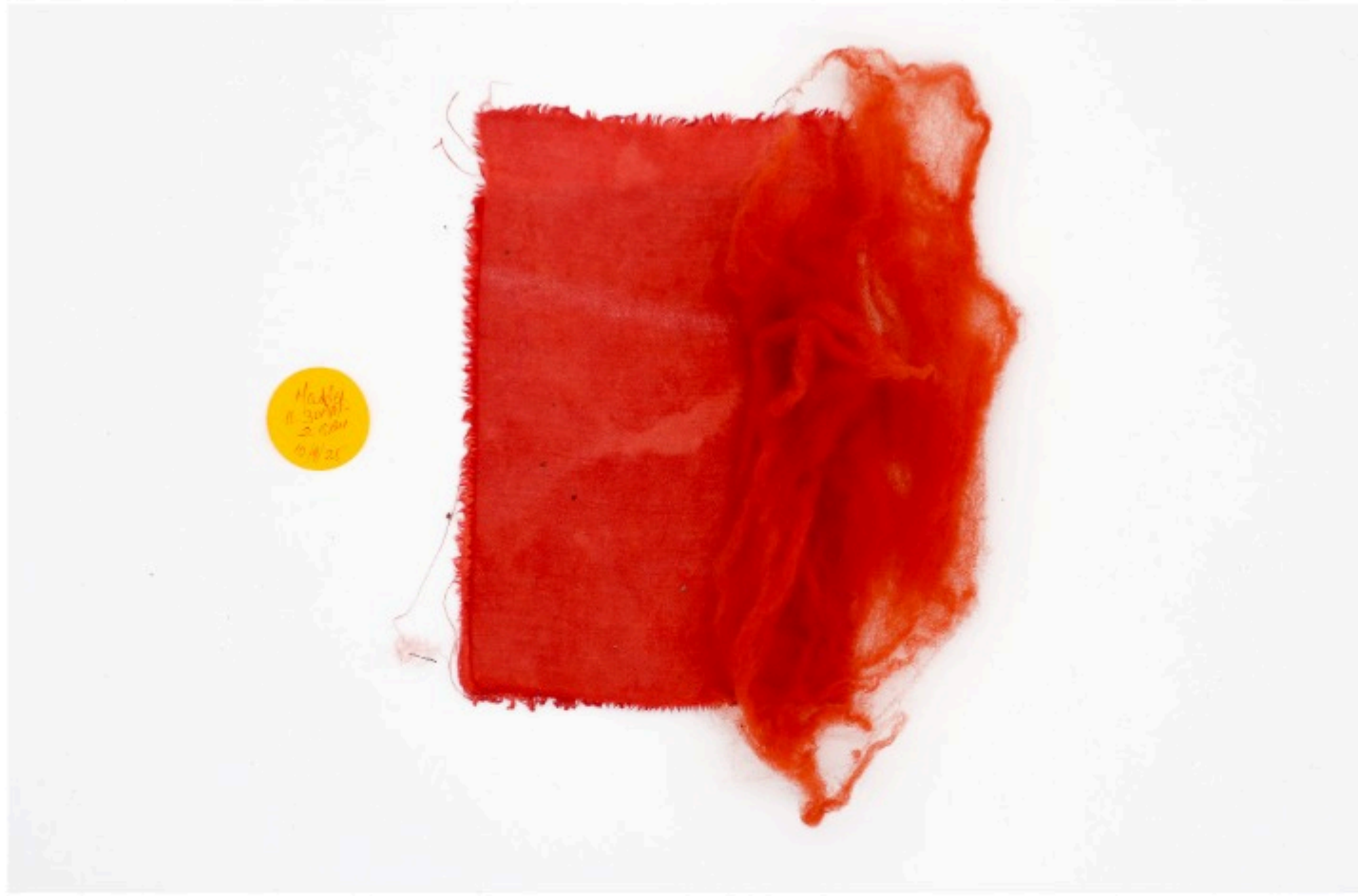
Corepsis

- Neutral or modfdier
- 10 mins
- any other notes



Madder and Weld

- Madder after weld
- 3 Hours



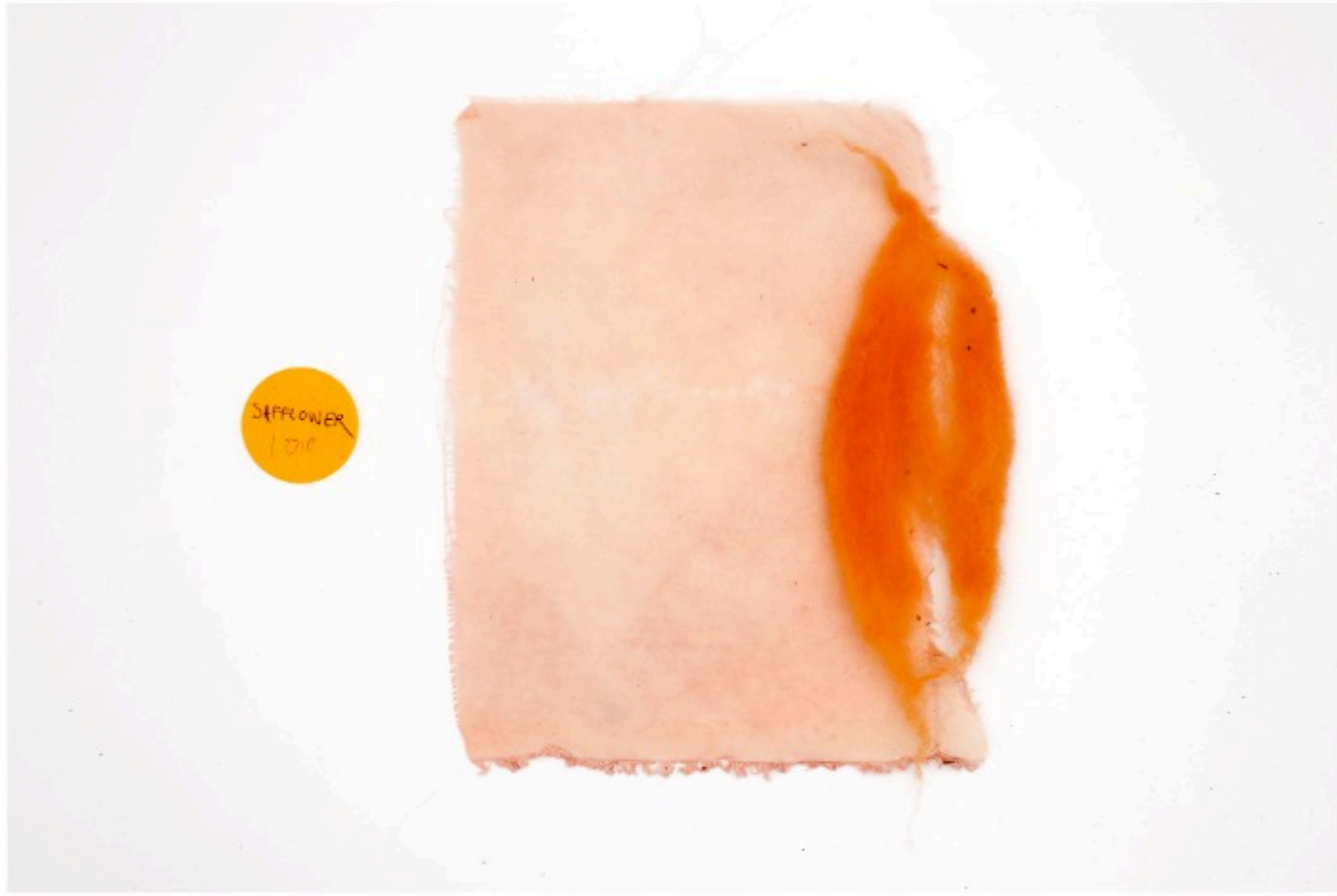
Madder

- No modifiers
- 3 hours
- Do not heat above 50 degrees C



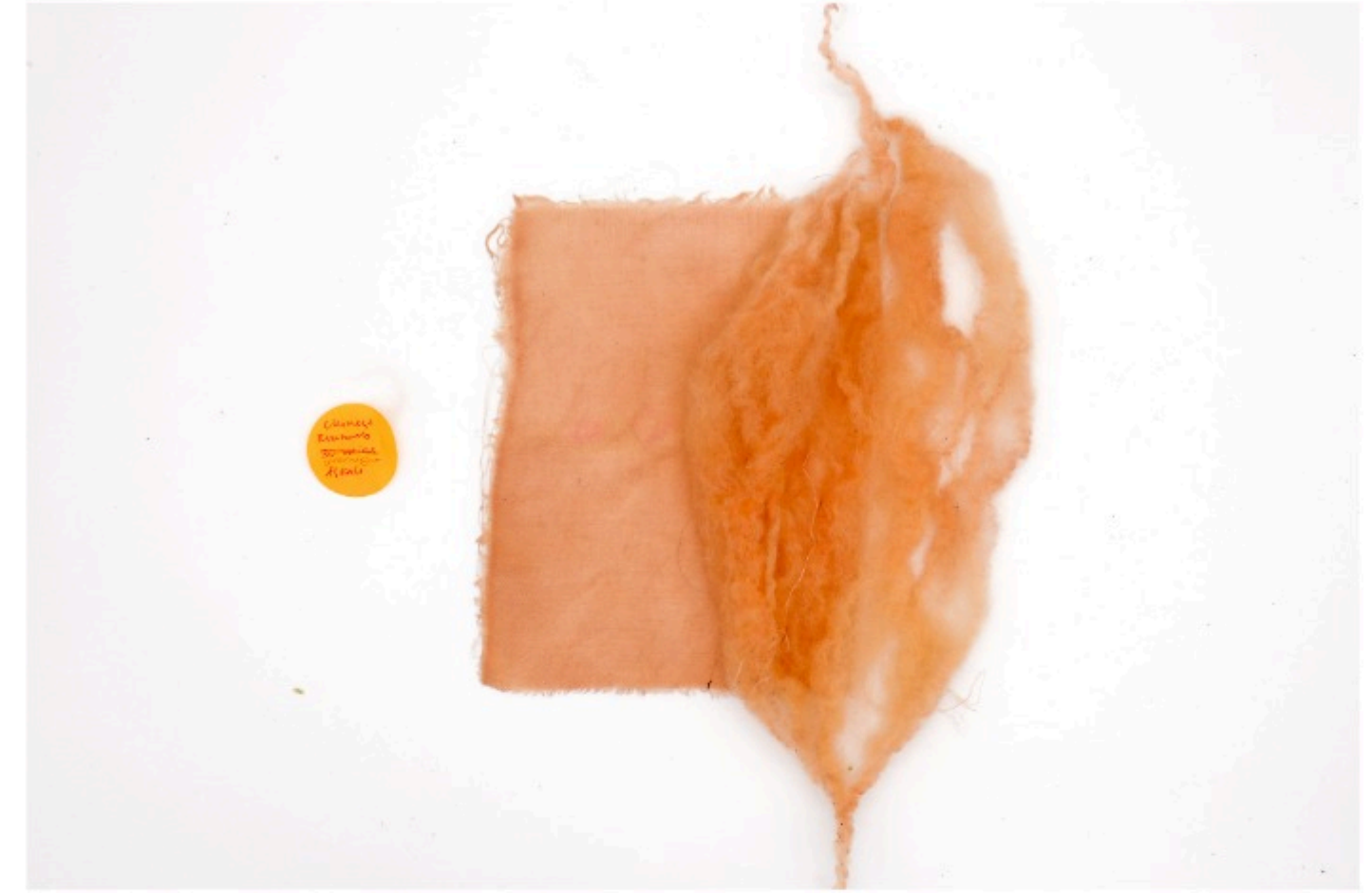
Madder

- No modifiers



Safflower

- Neutral
- Cloth dipped for only 1 or 2 minutes
- **Wool is not from safflower**, it got mixed up in the photo process



Chinese Rhubarb

- Alkali (sodium carbonate)
- Left to dye overnight



Marigold

- Neutral
- Overnight



Marigold

- Iron
- Overnight



May 20min
→ Iron

Marigold

- Iron
- 20 mins



10min
May

Marigold

- Neutral
- 10 mins



Chinese Rhubarb

- Neutral
- Left overnight



Logwood

- Citric Acid
- Overnight



Chinese Rhubarb

- Iron
- Left to dye overnight
- Added to iron after fabric was dyed overnight, only in iron bath for a few minutes



Red onion

- Citric acid
- Short time in dye bath



Red Onion

- Citric Acid
- Layered on top of weld
- 30 mins



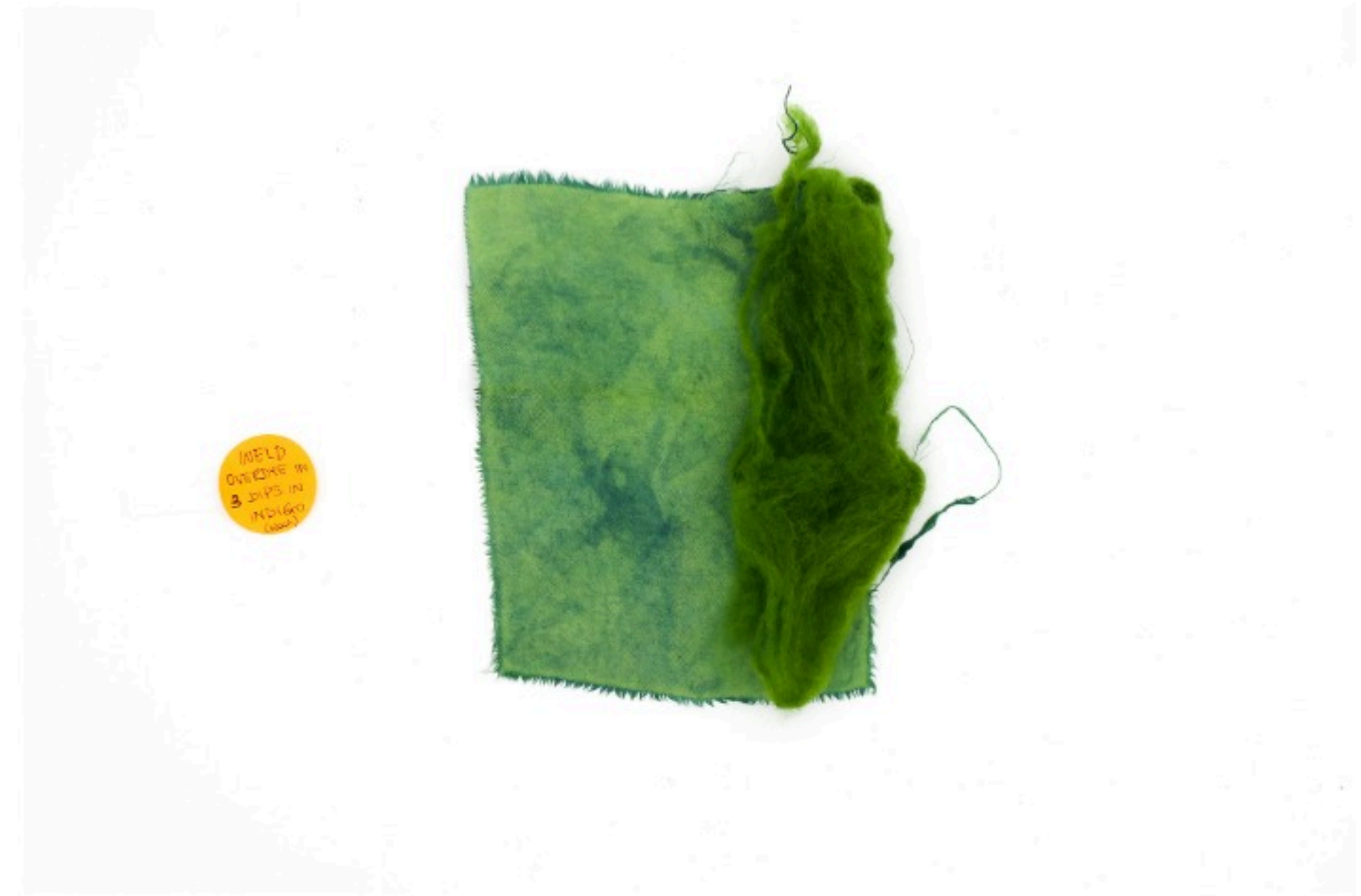
Black Hollyhock

- Neutral
- Overnight
- Pigment may have been exhausted



Weld & Indigo

- Neutral
- Weld Overnight & dried.
- 1 dip in Indigo



Weld

- Neutral
- Overnight
- 3 dips in Indigo



Black Hollyhock

- Iron



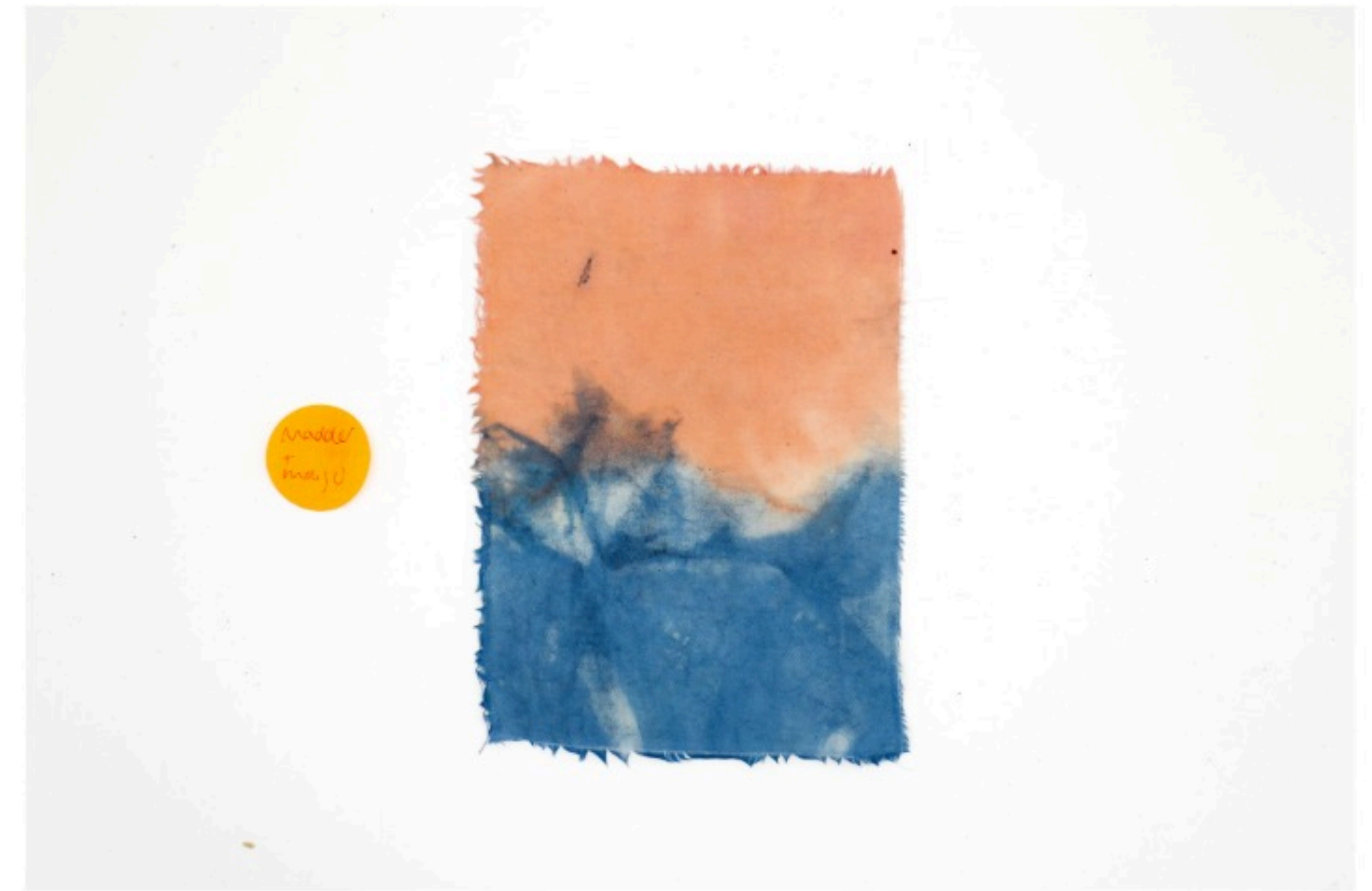
Black Hollyhock

- Neutral
- 10 mins
- Heated



Indigo

- Neutral
- Varied amount of dips
- Ranging 1 - 7 dips



Indigo and Madder

- Neutral
- Short time in madder, several dips in indigo
- Half sheet in indigo and half sheet in madder



Indigo

- Neutral
- 15 dips



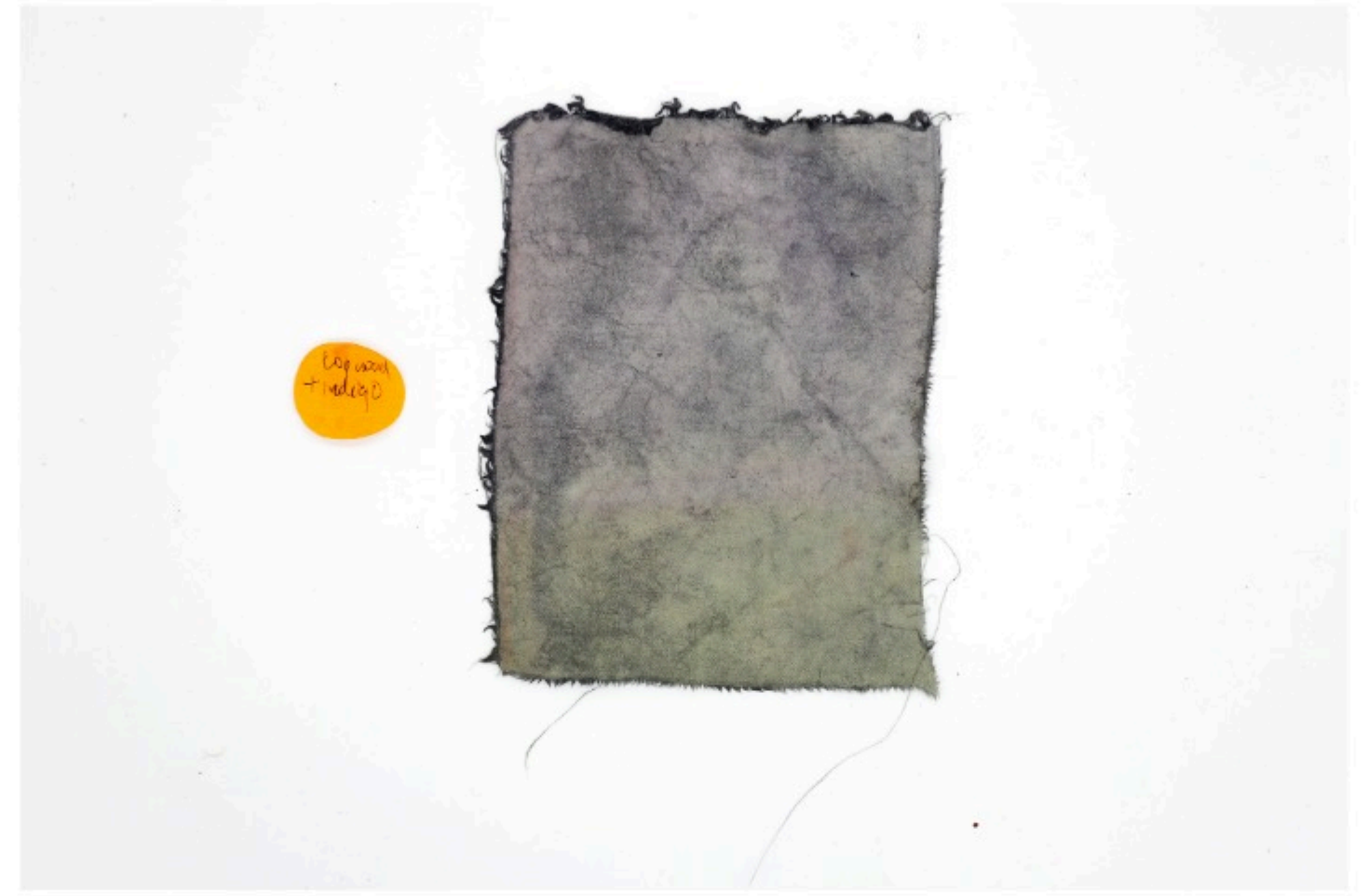
Indigo

- Neutral
- Overnight



Logwood

- Neutral
- 10 min
- The sheet had been in the logwood for 10 mins, then in logwood modified with cidric acid for 5 mins and then back again in logwood for 2 dips



Logwood

- Neutral
- Dipped in logwood
- Dipped in indigo



Black Bean

- Neutral
- Overnight
- Oxidised every few hours



Alkanet

- Neutral
- 10 mins



Cochineal

- Neutral
- 5 mins



Alkanet

- Neutral
- 4 mins
- Dipped in cochineal



Logwood

- Neutral
- 2 mins



Logwood

- Neutral
- 2+ hours



Logwood

- Copper



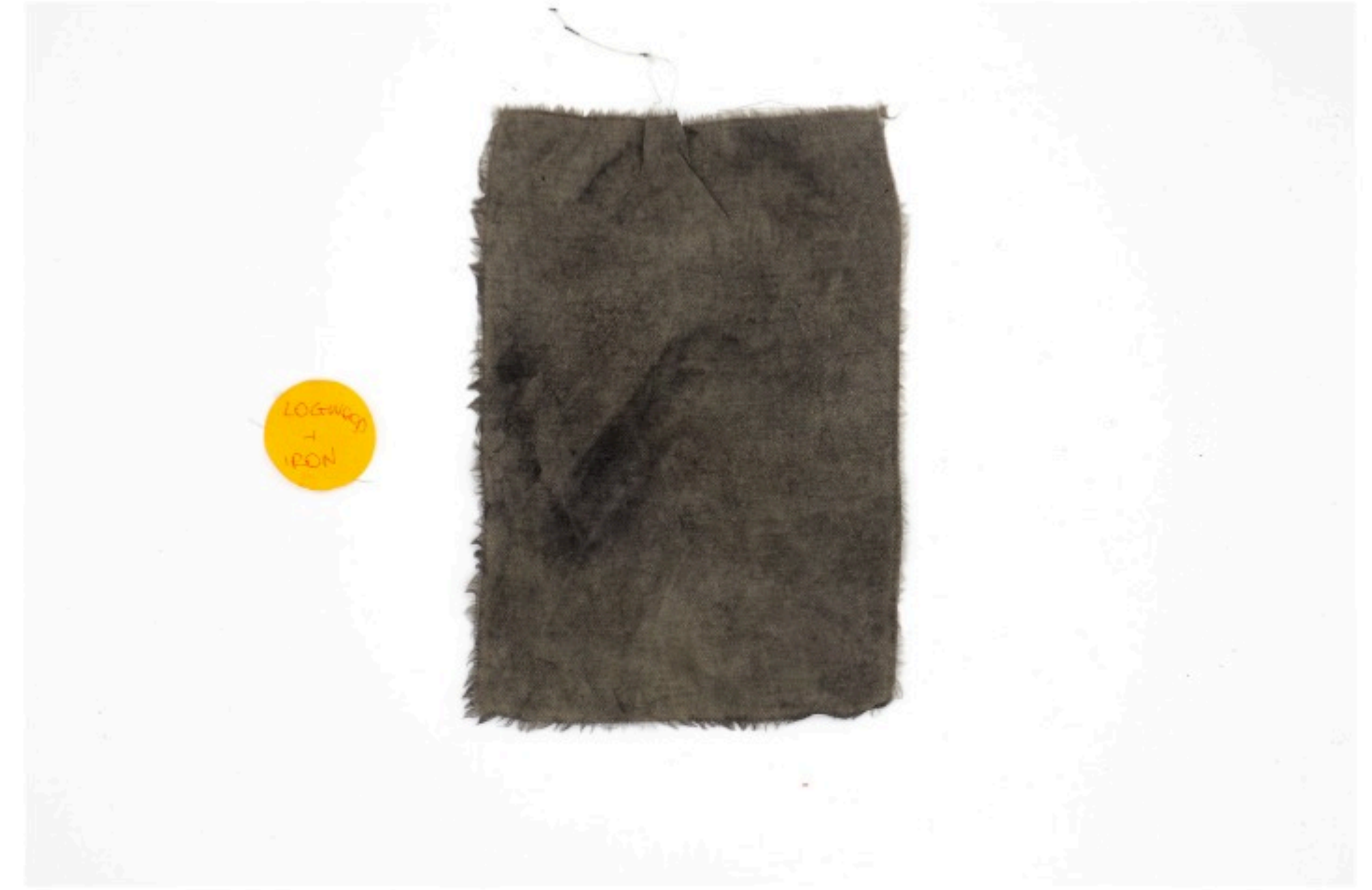
Logwood

- Iron



Chinese Rhubarb

- Iron + Alkali
- In Alkali overnight, soaked in bath with iron in the morning for a few minutes



Logwood

- Iron