

Recipes for Crime Scene Dyes Samples A-D
By Natalie Wu-Woods, Summer 2018

All samples have final concentration of 0.03% Xylene Cyanol, 0.035% Bromophenol Blue, 25% Glycerol. The following shows the final concentration of the colored dyes.

Sample	First Street Blue: 1.5%	First Street Red: 1%	First Street Yellow: 6.25%
A	✓	✓	
B	✓		✓
C/Ev		✓	✓
D	✓	✓	✓

First Street is the brand of liquid food dye (sold at Smart and Final).

Bakersfield brand has slightly different concentrations of dyes (sold at 99cent store).

McCormick brand has different COMPOSITIONS of color dyes -- Red dye has Red 40 and Red 3 (pink)

Blue dye contains Blue 1.

Red dye contains Red 40.

Egg Yellow dye contains Yellow 6.

Green dye contains Yellow 6 and Blue 1.

Example:

Samples D recipe (100 mL)

- 1.5 mL First Street Blue Dye (straight from bottle)
- 1 mL First Street Red Dye
- 6.25 mL First Street Yellow Dye
- 3 mL of a 0.9% Xylene Cyanol Solution (XC in water)
- 6 mL of a 0.6% Bromophenol Blue (pH does not matter)
- 50 mL 50% Glycerol
- Fill with deionized water to 100mL (~32.25 mL)

Kitten Paternity P-V

Note: Same concentration of dyes as Crime Scene. First Street Green is composed of both First Street Blue and First Street Yellow dye, so a mixture of those two can be used if Green unavailable.

sample	First Street Blue: 1.5%	First Street Red: 1%	First Street Yellow: 6.25%	First Street Green: 3.5%	Xylene Cyanol: 0.03%	Bromophenol Blue: 0.035%
P		✓	✓		✓	
Q				✓	✓	
R		✓			✓	✓
S					✓	✓
T				✓	✓	
U	✓					✓
V				✓		✓