

8-20-12

Testing Working Detectors (S.C.)
- +/-

Cadmium : Arsenic Detectors (~~17~~) (14)
- 4 mL Broth, 400 μ Cadmium Nitrate (.1M), 100 μ cells

Lead Detectors (~~7~~) (6)
- 4 mL Broth, 1 mL Lead Acetate, 100 μ cells

Nitrate Detectors (4)
- 5 mL Broth, 1 mL Calcium Nitrate, 100 μ cells

* Procedure for all tests on page 66 *

8-23-12

- Looked at results; picked "best" detector for each category

- 8A1 - Cd: 6FP

- 9C1 - Arsenic: 6FP

- 12C2 - Lead Detector

} New cultures for
more tests

- Suspicious Red one

- 5A1

- started New Culture

8-24-12 -- starting Tests: 6 each, 5 tests, 1 control

Cadmium: (8A1)

add:

4 mL LB; Chlor add;

100 μ cells ; ;

Add .1M Cd(NO₃)₂

Arsenic: (9C1)

add:

4 mL LB; Chor, to

100 μ of cells, ; ;

Add .1M Cd(NO₃)₂

Lead: (12C2)

add:

4 mL LB; chlor

100 μ of cells, ; ;

.1M Lead Acetate

C1 - .1M - 400 μ

C2 - .05M - 200 μ

C3 - .01M - 40 μ

C4 - .005M - 20 μ

C5 - .001M - 4 μ

C6 - Control - 0 μ

A1 - .1M - 400 μ

A2 - .05M - 200 μ

A3 - .01M - 40 μ

A4 - .005M - 20 μ

A5 - .001M - 4 μ

A6 - Control - 0 μ

L1 - .02M - 1 mL

L2 - .01M - 500 μ

L3 - .005M - 250 μ

L4 - .001M - 50 μ

L5 - .0005M - 25 μ

L6 - ~~Control~~ .0001M - 5 μ

L7 - .00002M - 1 μ

L8 - Control - 0 μ

SIGNATURE

DATE

WITNESS/TA

DATE