**M9 Minimal Media**

13.56 g/L disodium phosphate, 6 g/L monopotassium phosphate, 1 g/L NaCl, 2 g/L NH4Cl, 2mM MgSO4, 100 μM CaCl2, and 18 μM FeSO4\*

Updated by Christopher Johnson 11/10/14

**For M9 Minimal Medium (1L):**

1. To 900 mL H2O, add the following in the order below, mixing in between:

* 0.1 mL 1M CaCl2
* 0.18 mL 100 mM FeSO4\*
* 2.0 mL 1M MgSO4
* 100 mL 10X M9 minimal salts

2. Add carbon source.

3. Filter sterilize.

\*Optional. Reduces fluorescent siderophore secretion in *P. putida*. A 100 mM stock of FeSO4 should be aliquoted quickly and frozen to prevent oxidation.

**For 10X** **M9 Minimal Salts (1L):**

Ingredients: (g/L)

Disodium phosphate 67.8

Monopotassium phosphate 30

Sodium chloride 5

Ammonium chloride 10

A 5X stock could be prepared instead

1. Dissolve the above (or 112.8 g M9 Minimal Salts, 5X, Sigma M6030) in 1L of distilled water.

2. Autoclave in liquid cycle or filter sterilize.

STORE AT 30 C!!!