

## Certificate of Analysis

**Product:** EMM w/o Dextrose: Part A & B

**Catalog No.:** 4110-1X2; 4110-112; 4110-132

**Lot No.:** 6914

### Formulation:

**Contents Per Liter:** 3 g potassium hydrogen phthalate (14.7mM), 2.2g Na<sub>2</sub>HPO<sub>4</sub> (15.5mM), 5g NH<sub>4</sub>Cl (93.5mM), 1.05g MgCl<sub>2</sub>·6H<sub>2</sub>O (5.2mM), 14.7mg CaCl<sub>2</sub>·2H<sub>2</sub>O (99.8µM), 1g KCl (13.4mM), 0.04g Na<sub>2</sub>SO<sub>4</sub> (0.28mM), 1mg pantothenic acid (4.2µM), 10mg nicotinic acid (81.2µM), 10mg *myo*-inositol (55.5µM), 10µg biotin (0.82µM), 0.5 mg boric acid (8.9µM), 0.4mg MnSO<sub>4</sub> (2.4µM), 0.4mg ZnSO<sub>4</sub>·7H<sub>2</sub>O (1.4µM), 0.2mg FeCl<sub>2</sub>·6H<sub>2</sub>O (0.7µM), 40µg molybdic acid (0.25µM), 0.1mg KI (0.6µM), 40µg CuSO<sub>4</sub>·5H<sub>2</sub>O (0.016µM), 1mg citric acid (4.76µM).

### Media

Edinburgh's Minimal Medium w/o Dextrose contains a Part A & B that should be mixed into solution in two distinct steps. It is imperative to mix the Part A and B separately to ensure the development of a quality EMM w/o Dextrose solution. To prepare a one liter solution of EMM w/o Dextrose, first combine 5.20 g of Part A with 1 liter of distilled, deionized water. Mix by shaking or stirring the solution thoroughly until all of the powder media is solublized. Once Part A has been fully solublized, combine 7.12 g of Part B to the solution. Mix by shaking or stirring the solution thoroughly until all of the powder media is solublized. Autoclave at 121°C for 15 minutes for a minimal defined formulation for growth of *S.pombe*.

### Preparation:

### Storage:

Store EMM w/o Dextrose powder at ambient temperature (15-30°C). EMM powder is hygroscopic, therefore minimize exposure to air to prolong storage of powder mixture. Store sterile medium at 4°C.

### Shelf

Storage life in closed container: 4 years from the date the powder was made. Expiration Date: Jan - 2014.

### Life:

### Quality Assurance Information

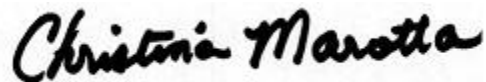
All MP Biomedicals products are thoroughly tested to ensure reliable results in the laboratory.

#### Specifications:

Test	Specification	Results
Identity Test	Passes	Passes
pH	4.6 - 6.4	Passes
Clarity	Clear	Passes
Presence of Thiamine HCL	No	Passes

#### Conclusions:

This lot of EMM w/o Dextrose is released for product sales.



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