

## Specification

**Product #:** M 1432

**Description:** DMEM w: 4,5 g/l Glucose, w: L-Glutamine, w/o: Sodium pyruvate, w: 25 mM Hepes, w/o: Phenol red, w: 3,7 g/l NaHCO<sub>3</sub>, 500 ml

**Specification:** IM DATENBLATT GEFUNDEN: w: L-Glutamine w/o: Sodium pyruvate w: 25 mM HEPES w/o: Phenol red w: 3.7 g/L NaHCO<sub>3</sub>

**Storage:** 2°C - 8°C

## Testings

### Acceptance Criteria

pH Value

Osmolality

Incubation at 32°C

Incubation at 20°C

Performance

### Accepted Result

7.0 - 7.6

320 - 350 mOsm/kg

Sterile

Sterile

Cell Growth

## Composition

### anhydrous

108.69

108.6900 mg/L

### Inorganic Salts

Calcium chloride anhydrous

200.0000 mg/L

Iron (III) nitrate x 9H<sub>2</sub>O

0.1000 mg/L

Magnesium sulfate anhydrous

97.6600 mg/L

Potassium chloride

400.0000 mg/L

Sodium chloride

5,400.0000 mg/L

### Other Components

Amino acids L-Arginine x HCl

84.0000 mg/L

D(+)-Glucose anhydrous

4,500.0000 mg/L

Glycine

30.0000 mg/L

HEPES

5,958.0000 mg/L

L-Cystine x 2HCl

62.5800 mg/L

L-Glutamine

584.0000 mg/L

L-Histidine x HCl x H<sub>2</sub>O

42.0000 mg/L

L-Isoleucine

104.8000 mg/L

L-Leucine

104.8000 mg/L

L-Lysine x HCl

146.2000 mg/L

L-Methionine

30.0000 mg/L

L-Phenylalanine

66.0000 mg/L

L-Serine

42.0000 mg/L

L-Threonine

95.2000 mg/L

L-Tryptophan

16.0000 mg/L

L-Tyrosine x Na	103.7900 mg/L
L-Valine	93.6000 mg/L
Phenol red	0.0000 mg/L
Sodium pyruvate	0.0000 mg/L

## Vitamins

Choline chloride	4.0000 mg/L
D-Calcium pantothenate	4.0000 mg/L
Folic acid	4.0000 mg/L
myo-Inositol	7.0000 mg/L
NaHCO <sub>3</sub>	3,700.0000 mg/L
Nicotinamide	4.0000 mg/L
Pyridoxine x HCl	4.0000 mg/L
Riboflavin	0.4000 mg/L
Thiamine x HCl	4.0000 mg/L