

## Minimum Essential Medium - Alpha

**Product Number MEL08-6X500ML**

With L-glutamine and nucleosides. Store at 2° to 8°C.

Components	mg/L
2'-Deoxyadenosine, Monohydrate (C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> . H <sub>2</sub> O)	10.0000
2'-Deoxycytidine, Hydrochloride (C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> . HCl)	11.0000
2'-Deoxyguanosine Monohydrate (C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> . H <sub>2</sub> O)	10.0000
Adenosine (C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> )	10.0000
Biotin (C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S)	0.1000
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	200.0000
Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)	1.0000
Cytidine, Free Base (C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub> )	10.0000
D-Calcium Pantothenate (C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> )	1.0000
D-Glucose, Anhydrous (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	1000.0000
Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	1.0000
Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )	50.0000
Guanosine (C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub> )	10.0000
L-Alanine (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	25.0000
L-Arginine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> . HCl)	127.0000
L-Ascorbic Acid (C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> )	50.0000
L-Asparagine, Monohydrate (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> . H <sub>2</sub> O)	50.0000
L-Aspartic Acid (C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> )	30.0000
L-Cysteine, Hydrochloride, Monohydrate (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> . HCl . H <sub>2</sub> O)	100.0000
L-Cystine, Dihydrochloride (C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> . 2HCl)	31.0000
L-Glutamine (C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> )	292.0000

L-Histidine, Hydrochloride, Monohydrate (C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> . HCl . H <sub>2</sub> O)	42.0000
L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	52.0000
L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	52.0000
L-Lysine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> . HCl)	73.0000
L-Methionine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)	15.0000
L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )	32.0000
L-Proline (C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub> )	40.0000
L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	25.0000
L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	48.0000
L-Tryptophan (C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )	10.0000
L-Tyrosine, Disodium, Dihydrate (C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> .2H <sub>2</sub> O)	52.0000
L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	46.0000
Lipoic Acid (DL-Thiolic Acid) (C <sub>8</sub> H <sub>14</sub> O <sub>2</sub> S <sub>2</sub> )	0.2000
Magnesium Sulfate, Anhydrous (MgSO <sub>4</sub> )	98.0000
Myo-Inositol (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	2.0000
Niacinamide (C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)	1.0000
Phenol Red, Sodium Salt (C <sub>19</sub> H <sub>13</sub> NaO <sub>5</sub> S)	10.0000
Potassium Chloride (KCl)	400.0000
Pyridoxal, Hydrochloride (C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> . HCl)	1.0000
Pyruvic Acid, Sodium Salt (C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub> )	110.0000
Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )	0.1000
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200.0000
Sodium Chloride (NaCl)	6800.0000
Sodium Phosphate, Monobasic, Monohydrate (NaH <sub>2</sub> PO <sub>4</sub> . H <sub>2</sub> O)	140.0000
Thiamine, Hydrochloride (C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS . HCl)	1.0000
Thymidine (C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub> )	10.0000
Uridine (C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>6</sub> )	10.0000
Vitamin B12 (C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P)	1.4000