

## Minimum Essential Medium - Hank's

### Product Number MEP30-10LT

With Hank's salts, nonessential amino acids, and L-glutamine. Without sodium bicarbonate. Store at 2° to 8°C.

Components	mg/L
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	140.0000
Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)	1.0000
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> )	7.5000
L-Alanine (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	8.9000
L-Arginine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> . HCl)	126.0000
L-Asparagine, Monohydrate (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> . H <sub>2</sub> O)	13.2000
L-Aspartic Acid (C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> )	13.3000
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-Glutamic Acid (C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> )	14.7000
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> )	11.5000
L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	10.5000
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

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

Potassium Phosphate, Monobasic, Anhydrous (KH<sub>2</sub>PO<sub>4</sub>) 60.0000

Pyridoxal, Hydrochloride (C<sub>8</sub>H<sub>9</sub>NO<sub>3</sub> . HCl) 1.0000

Riboflavin (C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>6</sub>) 0.1000

Sodium Chloride (NaCl) 8000.0000

Sodium Phosphate Dibasic, Anhydrous (Na<sub>2</sub>HPO<sub>4</sub>) 48.0000

Thiamine, Hydrochloride (C<sub>12</sub>H<sub>17</sub>ClN<sub>4</sub>OS . HCl) 1.0000