

## William's E

### Product Number WMP03-10X1LT

With L-glutamine. Without L-methionine, choline chloride, and sodium bicarbonate. Store at 2° to 8°C.

Components	mg/L
(+/-) a-Tocopherol Phosphate, Disodium Salt (C <sub>29</sub> H <sub>49</sub> Na <sub>2</sub> O <sub>5</sub> P)	0.0100
Biotin (C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S)	0.5000
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	200.0000
Cupric Sulfate, Pentahydrate (CuSO <sub>4</sub> · 5H <sub>2</sub> O)	0.0001
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> )	2000.0000
Ergocalciferol (C <sub>28</sub> H <sub>44</sub> O)	0.1000
Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	1.0000
Glutathione, Reduced (C <sub>10</sub> H <sub>17</sub> N <sub>3</sub> O <sub>6</sub> S)	0.0500
Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )	50.0000
L-Alanine (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	90.0000
L-Arginine (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> )	50.0000
L-Ascorbic Acid (C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> )	2.0000
L-Asparagine, Monohydrate (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> · H <sub>2</sub> O)	20.0000
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)	40.0000
L-Cystine, Dihydrochloride (C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> · 2HCl)	26.1000
L-Glutamic Acid (C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> )	50.0000
L-Glutamine (C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> )	292.0000
L-Histidine, Anhydrous (C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> )	15.0000
L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	50.0000
L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	75.0000
L-Lysine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> · HCl)	87.5000

L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )	25.0000
L-Proline (C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub> )	30.0000
L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	10.0000
L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	40.0000
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)	50.7000
L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	50.0000
Linoleic Acid Methyl Ester (C <sub>19</sub> H <sub>34</sub> O <sub>2</sub> )	0.0300
Magnesium Sulfate, Anhydrous (MgSO <sub>4</sub> )	97.6700
Menadione Sodium Bisulfite (C <sub>11</sub> H <sub>9</sub> NaO <sub>5</sub> S)	0.0100
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> )	25.0000
Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )	0.1000
Sodium Chloride (NaCl)	0.0100
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
Vitamin A, Acetate (C <sub>22</sub> H <sub>32</sub> O <sub>2</sub> )	0.1000
Vitamin B12 (C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P)	0.2000
Zinc Sulfate, Heptahydrate (ZnSO <sub>4</sub> · 7H <sub>2</sub> O)	0.0002