## Experimental Media, Component List

<table>
<thead>
<tr>
<th>Component</th>
<th>MW (g/mol)</th>
<th>Ames mg/L</th>
<th>Ames mM</th>
<th>L-15 mg/L</th>
<th>L-15 mM</th>
<th>BME mg/L</th>
<th>BME mM</th>
<th>Locke's mg/L</th>
<th>Locke's mM</th>
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<td>8500</td>
<td>145.45</td>
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### Amino acids

| L-Alanine | 92.09 | 2.4 | 7.0e-02 | 225 | 2.53 |
| L-Arginine + HCl | 174 | 4.2 | 2.42e-02 | 500 | 2.87 |
| L-Asparagine | 132 | 0.84 | 6.36e-03 | 250 | 1.89 |
| L-Lysine + HCl | 186.58 | 0.13 | 1.050 | 6.23 | 0.12 |
| L-Aspartic acid | 175.14 | 0.12 | 6.86e-04 | |
| L-Cystine + 2HCl | 157.46 | 0.07 | 1.43e-04 | |
| L-Cysteine | 121 | 0.19 | 0.99 | 600 | 4.96 | 0.1 |
| L-Glutamic acid + Na | 187.13 | 1.18 | 6.32e-03 | |
| L-Glutamine | 146 | 73 | 0.5 | 300 | 2.05 |
| L-anal GLutamine | 217 | 1.29 | 0.08 | |
| Glycine | 75 | 0.45 | 6e-03 | 200 | 2.67 |
| L-Histidine | 155 | 1.9 | 0.10 | 250 | 1.61 | 400 | 2.58 |
| L-Histidine + HCl + monohydrate | 205.46 | 2.51 | 1.2e-02 | |
| L-Isoluecine | 131 | 0.58 | 4.43e-03 | 250 | 1.91 | 1300 | 9.92 |
| L-Leucine | 131 | 1.44 | 1.1e-02 | 250 | 0.95 | 1300 | 9.92 |
| L-Lysine + HCl | 182.46 | 0.33 | 6.2e-03 | 1849 | 10.13 | 0.2 |
| L-Lysine | 146 | 75 | 0.51 | 375 | 2.52 |
| L-Methionine | 149 | 0.39 | 2.5e-03 | 75 | 0.5 | 375 | 2.52 |
| L-Phenylalanine | 165 | 0.11 | 8.3e-03 | 125 | 0.76 | 825 | 5 |
| L-Proline | 115.13 | 0.07 | 6.08e-04 | |
| L-Serine | 105 | 2.52 | 2.4e-02 | 200 | 1.9 |
| L-Threonine | 125.15 | 0.75 | 5.99e-03 | |
| L-Tryptophan | 119 | 3.3 | 2.8e-02 | 300 | 2.52 | 1200 | 10.08 |
| L-Tyrosine + 2Na + dihydrate | 240 | 2.11 | 8.79e-03 | |
| L-Tyrosine | 181 | 1.35 | 6.9e-03 | 300 | 1.66 | 900 | 4.97 |
| L-Valine | 117 | 1.48 | 1.5e-02 | 100 | 0.85 | 1175 | 10.04 |

### Vitamins

<table>
<thead>
<tr>
<th>Component</th>
<th>MW (g/mol)</th>
<th>Ames mg/L</th>
<th>Ames mM</th>
<th>L-15 mg/L</th>
<th>L-15 mM</th>
<th>BME mg/L</th>
<th>BME mM</th>
<th>Locke's mg/L</th>
<th>Locke's mM</th>
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### Sugars

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<tr>
<th>Component</th>
<th>MW (g/mol)</th>
<th>Ames mg/L</th>
<th>Ames mM</th>
<th>L-15 mg/L</th>
<th>L-15 mM</th>
<th>BME mg/L</th>
<th>BME mM</th>
<th>Locke's mg/L</th>
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### Add

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<thead>
<tr>
<th>Component</th>
<th>MW (g/mol)</th>
<th>Ames mg/L</th>
<th>Ames mM</th>
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<th>L-15 mM</th>
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<th>Locke's mg/L</th>
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## Product Sheet