

# Codon Chart and Wheel

|   | U  | C  | A  | G   |                  |
|---|--|--|--|---|------------------|
| U | Phenylalanine<br>Phenylalanine<br>Leucine<br>Leucine | Serine<br>Serine<br>Serine<br>Serine             | Tyrosine<br>Tyrosine<br><i>Stop</i><br><i>Stop</i>               | Cysteine<br>Cysteine<br><i>Stop</i><br>Tryptophan | U<br>C<br>A<br>G |
| C | Leucine<br>Leucine<br>Leucine<br>Leucine             | Proline<br>Proline<br>Proline<br>Proline         | Histidine<br>Histidine<br>Glutamine<br>Glutamine                 | Arginine<br>Arginine<br>Arginine<br>Arginine      | U<br>C<br>A<br>G |
| A | Isoleucine<br>Isoleucine<br>Isoleucine<br>Methionine | Threonine<br>Threonine<br>Threonine<br>Threonine | Asparagine<br>Asparagine<br>Lysine<br>Lysine                     | Serine<br>Serine<br>Arginine<br>Arginine          | U<br>C<br>A<br>G |
| G | Valine<br>Valine<br>Valine<br>Valine                 | Alanine<br>Alanine<br>Alanine<br>Alanine         | Aspartic acid<br>Aspartic acid<br>Glutamic acid<br>Glutamic acid | Glycine<br>Glycine<br>Glycine<br>Glycine          | U<br>C<br>A<br>G |

