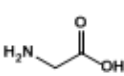
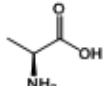
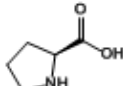
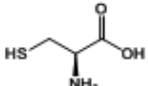
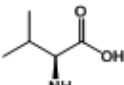
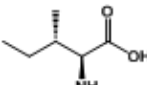
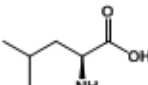
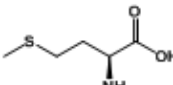
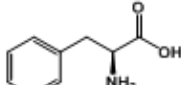
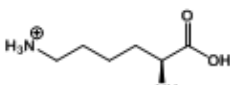
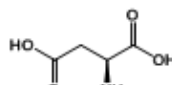
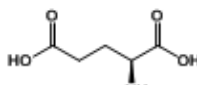
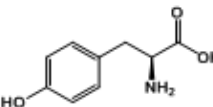
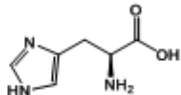
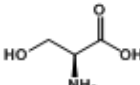
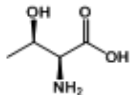
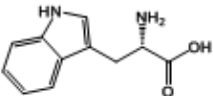
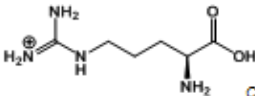
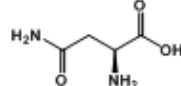
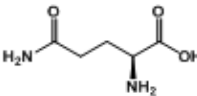


Amino Acid Assay Kits

<p>G 75.07</p>  <p>Glycine <i>Gly</i> K589</p> <p>GGU GGC GGA GGG</p>	<p>A 89.09</p>  <p>Alanine <i>Ala</i> K652</p> <p>GCU GCC GCA GCC</p>	<p>P 115.13</p>  <p>Proline <i>Pro</i></p> <p>CCU CCC CCA CCG</p>	<p>C 121.16</p>  <p>Cysteine <i>Cys</i> K558</p> <p>UGU UGC</p>
<p>V 117.15</p>  <p>Valine <i>Val</i> K564</p> <p>GUU GUC GUA GUG</p>	<p>I 131.18</p>  <p>Isoleucine <i>Ile</i> K564</p> <p>AUU AUC AUA</p>	<p>L 131.18</p>  <p>Leucine <i>Leu</i> K564</p> <p>CUU CUC CUA CUG UUA UUG</p>	<p>M 149.21</p>  <p>Methionine <i>Met</i></p> <p>AUG</p>
<p>F 165.19</p>  <p>Phenylalanine <i>Phe</i> K572</p> <p>UUU UUC</p>	<p>K 146.19</p>  <p>Lysine <i>Lys</i></p>	<p>D 133.10</p>  <p>Aspartic Acid <i>Asp</i> K552</p> <p>GAU GAC</p>	<p>E 147.13</p>  <p>Glutamic Acid <i>Glu</i> K629</p> <p>GAA GAG</p>
<p>Y 181.19</p>  <p>Tyrosine <i>Tyr</i> K573</p> <p>UAU UAC</p>	<p>H 155.16</p>  <p>Histidine <i>His</i></p> <p>CAU CAC</p>	<p>S 105.09</p>  <p>Serine <i>Ser</i></p> <p>UCU UCC UCA UCG AGU AGC</p>	<p>T 119.12</p>  <p>Threonine <i>Thr</i></p> <p>ACU ACC ACA ACG</p>
<p>W 204.23</p>  <p>Tryptophan <i>Trp</i> K557</p> <p>UGG</p>	<p>R 174.20</p>  <p>Arginine <i>Arg</i></p> <p>CGU CGC CGA CGG AGA AGG</p>	<p>N 132.12</p>  <p>Asparagine <i>Asn</i></p> <p>AAU AAC</p>	<p>Q 146.15</p>  <p>Glutamine <i>Gln</i> K556</p> <p>CAA CAG</p>

1-letter Code Mol. Mass

Chemical Structure

Amino Acid
3-Letter Code **Cat #** Codon

■ Aliphatic
 ■ Contains Sulfur
 ■ Amidic
 ■ Hydroxylic

■ Acidic
 ■ Basic
 ■ Aromatic
 Essential
Non-Essential

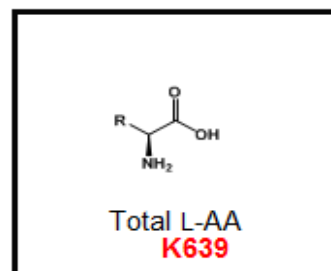
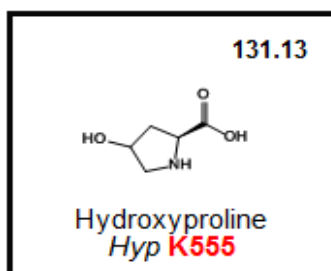
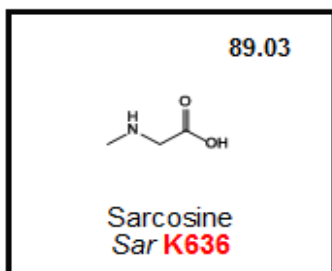
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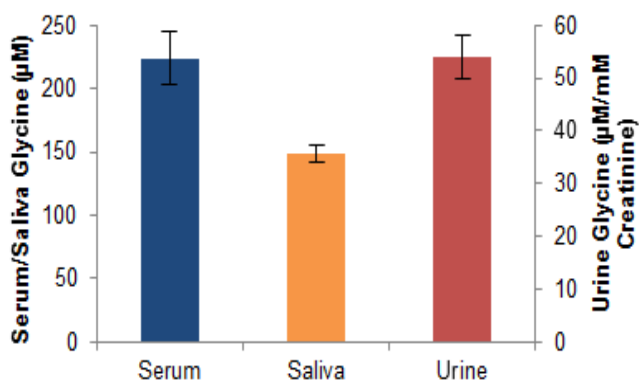


Figure: Glycine concentration in human serum, urine and saliva was detected using K589.

Assay Kits

Target	Cat. No.	Detection*	Detection Limit (pmol)	Sample Type
Alanine	K652	C/F	100	Serum, cells, tissues
Aspartate	K552	C/F	100	Serum, cells, tissues
BCA (L-I-V)	K564	C/F	100	Serum, cells, tissues
Cysteine	K558	F	1000	Serum, cells, tissues
Glutamate	K629	C	1000	Serum, cells, tissues, food
Glutamine	K556	C	1000	Serum, cells, tissues, urine
Glycine	K589	F	25	Serum, cells, tissues, urine, saliva
Hydroxyproline	K555	C	1000	Tissues, urine
Phenylalanine	K572	F	100	Serum, cells, tissues
Sarcosine	K636	C/F	100	Serum, cells, tissues
Tryptophan	K557	F	250	Serum
Tyrosine	K573	C	10000	Tissues, cells, serum, urine
Total L-AA	K639	C/F	4000	Serum, cells, tissues,

*C: Colorimetric; F: Fluorometric

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