



## 2017/18 PRODUCT CATALOGUE

### AMINO ACIDS AND VITAMINS

 **FORMEDIUM**  
CREATING THE CULTURE FOR DISCOVERY™

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## AMINO ACIDS AND VITAMINS

Formedium™ offers a large range of Amino Acids and Vitamins to formulate several Drop-Out supplement mixtures as described by different authors.

Amino Acids & Vitamins This range of products enable users to compose Drop-Out supplements according lab specifications.

All Amino Acids and Vitamins are of pharmaceutical grade and are ranked amongst the best quality available.

The Amino Acids and Vitamins offered are used in Formedium™ Drop-Out supplement mixtures and powdered media productions.

Pack sizes vary from 5 gram to 100 gram, offering the possibility to compose a kit to select for an optimal Amino Acid and Vitamin composition. To buy in larger quantities, in case of large media preparations, please email us or call us.



# ADENINE SULPHATE

SKU	Size
DOC0228	5g
DOC0229	25g
DOC0230	100g

Chemical formula	C10H12N10O4S.2H2O
Solubility	Soluble in water
Mol. Weight	404.3
Assay	≥99%



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# L-ALANINE

SKU	Size
DOC0102	5g
DOC0103	10g
DOC0104	25g
DOC0105	100g

Chemical formula	C3H7NO2
Solubility (20° C)	166.5 g/l
Mol. Weight	89.09
pH (100 g/l)	5.5 - 6.5 (100 g/l)
Assay	≥99%



## PARA-AMINO BENZOIC ACID

SKU	Size
DOC0204	5g
DOC0205	10g
DOC0206	25g
DOC0207	100g

Chemical formula	C7H7NO2
Solubility (20° C)	4.7 g/l
Mol. Weight	137.14
pH (100 g/l)	3.5 (5 g/l)
Assay	≥99%



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## L-ARGININE

SKU	Size
DOC0106	5g
DOC0107	10g
DOC0108	25g
DOC0109	100g

Chemical formula	C6H14N4O2
Solubility (20° C)	148.7 g/l
Mol. Weight	174.20
pH (100 g/l)	11.4 (100 g/l)
Assay	≥99%



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## L-ASPARAGINE. H2O

SKU	Size
DOC0114	5g
DOC0115	10g
DOC0116	25g
DOC0117	100g

Chemical formula	C4H8N2O3H2O
Solubility (20° C)	22 g/l
Mol. Weight	150.14
pH (100 g/l)	4.0-5.0 (20 g/l)
Assay	≥99%



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## L-ASPARTIC ACID

SKU	Size
DOC0118	5g
DOC0119	10g
DOC0120	25g
DOC0121	100g

Chemical formula	C4H7NO4
Solubility (20° C)	4 g/l
Mol. Weight	133.10
pH (100 g/l)	2.5-3.5 (4 g/l)
Assay	≥99%



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## D(+)-BIOTIN

SKU	Size
DOC0202	1g
DOC0203	5g

Chemical formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S
Solubility (20° C)	0.2 g/l
Mol. Weight	244.31
pH (100 g/l)	4.5 (0.1 g/l)
Assay	≥99%



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## L-CYSTEINE

SKU	Size
DOC0122	5g
DOC0123	10g
DOC0124	25g
DOC0125	100g

Chemical formula	C <sub>3</sub> H <sub>7</sub> N <sub>2</sub> O <sub>2</sub> S
Solubility (20° C)	160 g/l
Mol. Weight	121.16
pH (100 g/l)	4.5-5.5 (100 g/l)
Assay	≥99%



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## L-GLUTAMINE

SKU	Size
DOC0130	5g
DOC0131	10g
DOC0132	25g
DOC0133	100g

Chemical formula	C5H10N2O3
Solubility (20° C)	26 g/l
Mol. Weight	146.15
pH (100 g/l)	4.5-5.5 (50 g/l)
Assay	≥98%



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## L-GLUTAMIC ACID

SKU	Size
DOC0134	5g
DOC0135	10g
DOC0136	25g
DOC0137	100g

Chemical formula	C5H9NO4
Solubility (20° C)	11.1 g/l
Mol. Weight	147.13
pH (100 g/l)	3.0-3.5 (8.6 g/l)
Assay	≥99%



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# GLYCINE

SKU	Size
DOC0138	5g
DOC0139	10g
DOC0140	25g
DOC0141	100g

Chemical formula	C2H5NO2
Solubility (20° C)	225 g/l
Mol. Weight	75.07
pH (100 g/l)	5.9-6.4 (50 g/l)
Assay	≥99%



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# L-HISTIDINE

SKU	Size
DOC0142	5g
DOC0143	10g
DOC0144	25g
DOC0145	100g

Chemical formula	C6H9N3O2
Solubility (20° C)	38.2 g/l
Mol. Weight	155.16
pH (100 g/l)	7.7 (10 g/l)
Assay	≥99%



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# INOSITOL

SKU	Size
DOC0198	5g
DOC0199	10g
DOC0200	25g
DOC0201	100g

Chemical formula	C6H12O6
Solubility (20° C)	250 g/l
Mol. Weight	180.16
pH (100 g/l)	5.0-7.0 (100 g/l)
Assay	≥99%



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# L-ISOLEUCINE

SKU	Size
DOC0150	5g
DOC0151	10g
DOC0152	25g
DOC0153	100g

Chemical formula	C6H13NO2
Solubility (20° C)	40 g/l
Mol. Weight	131.17
pH (100 g/l)	5.5-6.5 (40 g/l)
Assay	≥99%



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# L-LEUCINE

SKU	Size
DOC0154	5g
DOC0155	10g
DOC0156	25g
DOC0157	100g

Chemical formula	C6H13NO2
Solubility (20° C)	24 g/l
Mol. Weight	131.18
pH (100 g/l)	5.5-6.5 (20 g/l)
Assay	≥99%



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# L-LYSINE MONOHYDRATE

SKU	Size
DOC0158	5g
DOC0159	10g
DOC0160	25g
DOC0161	100g

Chemical formula	C6H14N2O2H2O
Solubility (20° C)	300 g/l
Mol. Weight	164.21
Assay	≥99%



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## L-METHIONINE

SKU	Size
DOC0166	5g
DOC0167	10g
DOC0168	25g
DOC0169	100g

Chemical formula	C5H11NO2S
Solubility (20° C)	48 g/l
Mol. Weight	149.21
pH (100 g/l)	5.0-7.0 (10 g/l)
Assay	≥99%



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## L-PHENYLALANINE

SKU	Size
DOC0170	5g
DOC0171	10g
DOC0172	25g
DOC0173	100g

Chemical formula	C9H11NO2
Solubility (20° C)	27 g/l
Mol. Weight	165.19
pH (100 g/l)	5.8 (10 g/l)
Assay	≥99%



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## L-PROLINE

SKU	Size
DOC0174	5g
DOC0175	10g
DOC0176	25g
DOC0177	100g

Chemical formula	C5H9NO2
Solubility (20° C)	1500 g/l
Mol. Weight	115.13
pH (100 g/l)	5.0-7.0 (10 g/l)
Assay	≥99%



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## L-SERINE

SKU	Size
DOC0178	5g
DOC0179	10g
DOC0180	25g
DOC0181	100g

Chemical formula	C3H7NO3
Solubility (20° C)	270 g/l
Mol. Weight	105.09
pH (100 g/l)	5.0-6.0 (50 g/l)
Assay	≥99%



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## L-THREONINE

SKU	Size
DOC0182	5g
DOC0183	10g
DOC0184	25g
DOC0185	100g

Chemical formula	C4H9NO3
Solubility (20° C)	90 g/l
Mol. Weight	119.12
pH (100 g/l)	5.0-6.0 (100 g/l)
Assay	≥99%



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## L-TRYPTOPHAN

SKU	Size
DOC0186	5g
DOC0187	10g
DOC0188	25g
DOC0189	100g

Chemical formula	C11H12N2O2
Solubility (20° C)	10 g/l
Mol. Weight	204.23
pH (100 g/l)	5.5-7.0 (10 g/l)
Assay	≥99%



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# L-TYROSINE

SKU	Size
DOC0190	5g
DOC0191	10g
DOC0192	25g
DOC0193	100g

Chemical formula	C9H11NO3
Solubility (20° C)	0.38 g/l
Mol. Weight	181.19
pH (100 g/l)	6.5 (0.1 g/l)
Assay	≥99%



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# URACIL

SKU	Size
DOC0212	5g
DOC0213	25g
DOC0214	100g

Chemical formula	C4H4N2O2
Solubility (20° C)	Soluble in water
Mol. Weight	112.09
Assay	≥99%



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# L-VALINE

SKU	Size
DOC0194	5g
DOC0195	10g
DOC0196	25g
DOC0197	100g

Chemical formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
Solubility (20° C)	85 g/l
Mol. Weight	117.15
pH (100 g/l)	5.5-6.5 (100 g/l)
Assay	≥99%



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