

# CORNING

## F-12K Nutrient Mixture (Kaighn's Modification)

### Formulation

Cat. No.	10-025
Description	Liquid, 1x
Units	mg/L
<b>Components</b>	
<i>Inorganic Salts</i>	
CaCl <sub>2</sub> (anhydrous)	102.00
CuSO <sub>4</sub> • 5H <sub>2</sub> O	0.002
Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O	--
FeSO <sub>4</sub> • 7H <sub>2</sub> O	0.800
KCl	285.00
KH <sub>2</sub> PO <sub>4</sub>	59.00
MgCl <sub>2</sub> (anhydrous)	49.70
MgSO <sub>4</sub> (anhydrous)	192.00
NaCl	7530.00
NaH <sub>2</sub> PO <sub>4</sub> (anhydrous)	--
Na <sub>2</sub> HPO <sub>4</sub> (anhydrous)	115.50
NaHCO <sub>3</sub>	2500.00
ZnSO <sub>4</sub> • 7H <sub>2</sub> O	0.144
<i>Amino Acids</i>	
L-Alanine	18.00
L-Arginine • HCl	422.00
L-Asparagine • H <sub>2</sub> O	30.00
L-Aspartic acid	26.60
L-Cysteine • HCl • H <sub>2</sub> O	70.00
L-Cystine • 2HCl	--
L-Glutamic acid	29.00
L-Glutamine	292.00
Glycine	15.00
L-Histidine • HCl • H <sub>2</sub> O	45.80
L-Isoleucine	7.88
L-Leucine	26.20
L-lysine • HCl	73.00
L-Methionine	8.96
L-Phenylalanine	9.92
L-Proline	69.00
L-Serine	21.00
L-Threonine	23.00
L-Tryptophan	4.10
L-Tyrosine • 2Na • 2H <sub>2</sub> O	13.50
L-Valine	23.00

Components (continued)	(10-025)
<i>Vitamins</i>	
Biotin	0.070
D-Calcium pantothenate	0.50
Choline chloride	14.00
Folic acid	1.30
<i>l</i> -Inositol	18.00
Nicotinamide	0.037
Pyridoxine • HCl	0.060
Riboflavin	0.040
Thiamine • HCl	0.30
Vitamin B <sub>12</sub>	1.40
<i>Other</i>	
D-Glucose	1260.00
HEPES	--
Hypoxanthine, Na	4.00
Lipoic acid	0.21
Methyl lineoleate	--
Phenol red • Na	3.00
Putrescine • 2HCl	0.32
Sodium pyruvate	220.00
Thymidine	0.70



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