

MoreVita

Rapid Absorption for Best Performance



*More Standing,
gives u more...*



MORE STANDING ENTERPRISE CO.,LTD
www.morestd.com.tw



MoreVita

More Standing Enterprise Co., Ltd is a company extensively involved in R&D and manufacturing animal nutritional products for improving animal production efficiency.

With more than 30 years professional experience in animal nutrition, we've set the highest standard for our production and gained international recognition.

Nature, Health and Beauty is our product concept. We continuously strive for developing natural and organic products as alternatives to AGPs.

Quality is our Commitment

- 3 Labs: chemical analysis, microbial and formulation Labs.
- Responsible for R&D, inspection, examination, to ensure good quality control during the production process (from raw material to finished products)
- Quality Control: ISO9001 and HACCP are conducted to ensure the whole production and management system meet international standard and food safety control.

New Advanced Development : Nano Emulsifying Technology

- Minimize lipid droplet to less than 100nm.
- Oil in water(O/W).
- Greatly increase bioavailability of poorly water soluble lipid formulation.
- Highly soluble and transparent liquid solution.

Why need Vitamin Supplement for poultry?

- 1.NRC standard is based on the maintenance level but not the optimum requirement.
- 2.The interactions of vitamins and minerals in the feed.
- 3.Feed processing and storage condition.
- 4.Daily intake.
- 5.Other factors: Environment, diseases, transportation, etc.



Importance of Vitamin Supplement in Poultry Production

1. Vitamins directly involve the metabolism and growth.
2. The use of AGP or drugs may also affect the absorption of vitamins.
3. Vitamins function as coenzymes.




Function of Fat Soluble Vitamins


- **Vitamin A**
Maintaining epithelial cells intact.
- **Vitamin D**
Improve the absorption of calcium and phosphate.
- **Vitamin E**
Function as Antioxidant and improve reproduction.
- **Vitamin K**
Essential for the functioning of several proteins involved in blood clotting .

Function of Water Soluble Vitamins

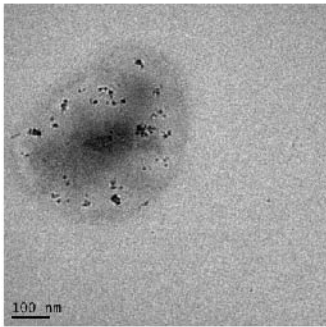
- **B1 (thiamin)**
Increase appetite; essential for converting carbohydrate into energy.
- **B2 (riboflavin)**
Maintain the mucous membranes; necessary for proper formation of red blood cells; converting carbohydrate into energy.
- **B3 (Niacin)**
Helps in the release of energy and metabolism of carbohydrates, fats, and proteins, proper circulation and healthy skin, functioning of the nervous system, and normal secretion of bile and stomach fluids.
- **B5 (pantothenic acid)**
Essential for the cell metabolism; helping release energy from sugars, starches, and fats.
- **B6**
Production of healthy red blood cells; Essential for protein and fat metabolism.
- **B12**
key to red blood cell production, nervous system function, sperm production.
- **Folic acid**
Folic acid acts as a coenzyme in the breakdown of proteins and in the synthesis of new proteins. It is necessary for the production of red blood cells and the synthesis of DNA (which controls heredity), as well as tissue growth and cell function. It also increases the appetite and stimulates the formation of digestive acids.
- **Biotin**
Biotin plays a special role in enabling the body to use blood glucose as a major source of energy for body fluids. Furthermore, biotin may have a role in DNA replication and transcription arising from its interaction with nuclear histone proteins.
- **Vitamin C**
Vitamin C can also be called ascorbic acid. Function of vitamin C is related to its reversible oxidation and reduction characteristics

Comparison of Different Types of Vitamin Solution


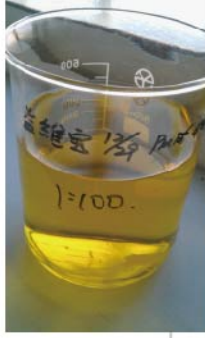
Water soluble powder	Conventional product	MoreVita
<ol style="list-style-type: none"> 1.Highly hygroscopic and unstable . 2.Solubility of fat soluble vitamins and water soluble vitamins is not consistent. 3.Contains high amount of carriers. 4.Absorption rate is lower. 	<ol style="list-style-type: none"> 1.Emusifier and vitamins may separate with time. 2.Easy to be decomposed by bacteria. 3.Absorption rate is not good 4.Not stable. 	<ol style="list-style-type: none"> 1.Highly soluble in water and clear. 2.Fast release to blood and transport to tissues. 3.Good stability.
		




- Average Partide Size : 35nm (TEM)

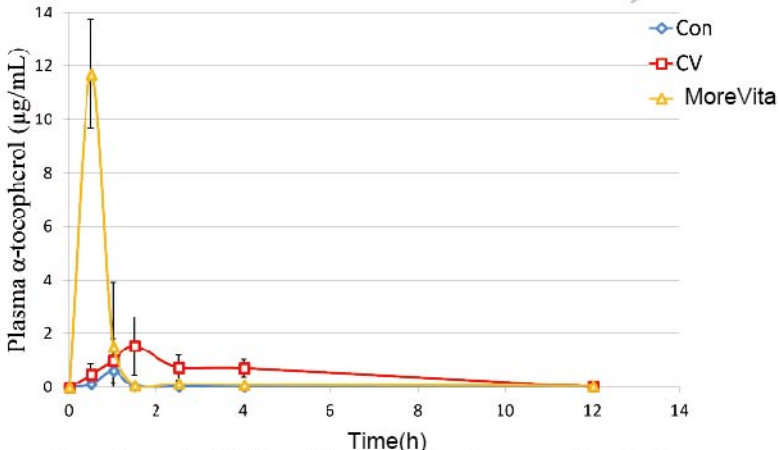


- Water soluble powder contains lots of insoluble carriers : Nano Liquid is completely dissolved in the water.



HPLC Determination



Absorption rate of different types of vitamin preparation in plasma.

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Composition

Each L contains:			
Vit A	10,500,000 IU	Ala	340mg
Vit D3	1,900,000 IU	Arg	605mg
Vit E	4,770 IU	Asp	925mg
Vit K3	10,230 IU	Cys	100mg
Vit B1	2,000 mg	Glu	1,525mg
Vit B2	1,500 mg	Gly	335mg
Vit B6	1,500 mg	His	205mg
Vit B12	25 mg	Ile	390mg
Vit C	10,000 mg	Leu	655mg
Nicotinamide	6,600 mg	Lys	20,000mg
Calcium pathothenate	2,740 mg	Met	57,300mg
Choline Chloride	75,000 mg	Phe	415mg
Trp	110mg	Pro	405mg
Tyr	300mg	Ser	415mg
Val	400mg	Thr	295mg

Characteristics

1. Morevita contains concentrated vitamins and natural hydrolyzed amino acid and can make a 2000~4000 fold diluted solution.
2. MoreVita can be directly absorbed into blood stream and utilized by tissues.
3. Increase the amount of Essential amino acids, Lysine and Methionine, to enhance the poultry productivity.
4. Contains choline to increase energy utilization and decrease accumulation of body fat.
5. Help relief of stress and disease.

Recommended Usage

Use 1ml of MoreVita for 2~4L of drinking water.

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ISO9001

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HACCP Certified