

# HY•D<sup>®</sup> SOLUTION

25 Hydroxyvitamin D<sub>3</sub>



## Hy•D<sup>®</sup>

### Technical Specifications

Hy•D<sup>®</sup> Solution is a stable oil and water emulsion with a milky appearance. The 25-hydroxyvitamin D<sub>3</sub> is emulsified in water and vegetable oil as well as in mono- and diglycerides of fatty acids. It contains 16.7 mg of 25-hydroxyvitamin D<sub>3</sub> per ounce and is miscible in water. BHT is added as an antioxidant.

Hy•D<sup>®</sup> Solution is available in 67 oz bottles in a pack of 6 bottles.



### SAFETY

Hy•D<sup>®</sup> Solution is a safe source of vitamin D<sub>3</sub>. No treatment-related toxicity was observed in poultry when used to level up to 10 times the recommended dosage. Avoid ingestion or direct contact by using suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the respective MSDS.

### USE DIRECTIONS

**Note:** Daily preparation and consumption of solution are recommended.

**Chickens:** Do not exceed 34.5 ppb of 25-OH D<sub>3</sub> in drinking water.

**Turkeys:** Do not exceed 25 ppb 25-OH D<sub>3</sub> from 0-3 weeks of age, 36 ppb from 4-11 weeks of age, 45 ppb over 11 weeks of age in drinking water.

Species	Dosage		Each Ounce Provides
	U.S. Units	Metric	
Broiler, Layer, Breeders	1 oz per 128 gallons of drinking water (34.4 ppb)	29.6 mL per 484.5 L of drinking water (34.4 ppb)	16.7 mg of 25 OH D <sub>3</sub>

Species	Dosage		Each Ounce Provides
	U.S. Units	Metric	
Turkey 0-3 Weeks	0.7 oz per 128 gallons of drinking water (24.1 ppb)	20 mL per 484.5 L of drinking water (24.1 ppb)	16.7 mg of 25 OH D <sub>3</sub>
Turkey 4-11 Weeks	1 oz per 128 gallons of drinking water (34.4 ppb)	30 mL per 484.5 L of drinking water (34.4 ppb)	16.7 mg of 25 OH D <sub>3</sub>
Turkey 11+ Weeks & Breeders	1.3 oz per 128 gallons of drinking water (44.8 ppb)	40 mL per 484.5 L of drinking water (44.8 ppb)	16.7 mg of 25 OH D <sub>3</sub>



### SAFETY

Hy-D® Solution is a safe source of vitamin D3. No treatment-related toxicity was observed in swine when used to level up to 5 times the recommended dosage. Avoid ingestion or direct contact by using suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the respective MSDS.

### USE DIRECTIONS

**Note:** Do not exceed 25 ppb of 25-OH D3 in drinking water for swine.

Species	Dosage		Each Ounce Provides
	U.S. Units	Metric	
Swine	0.50 oz per 128 gallons of drinking water (17.2 ppb)	15 mL per 484.5 L of drinking water (17.2 ppb)	16.7 mg of 25 OH D3



### SAFETY

Hy-D® Solution is a safe source of vitamin D3. No treatment-related toxicity was observed in bovines when used to level up to 5 times the recommended dosage. Avoid ingestion or direct contact by using suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the respective MSDS.

### USE DIRECTIONS

**Note:** Do not exceed 25 ppb of 25-OH D3 in drinking water for bovines.

Species	Dosage		Each Ounce Provides
	U.S. Units	Metric	
Bovine	0.50 oz per 100 gallons (22.1 ppb)	15 mL per 378.5 L of drinking water (22.1 ppb)	16.7 mg of 25 OH D3

## Stability and Storage

Hy-D® Solution is sensitive to air, heat and light. The product may be stored for 6 months from the date of manufacture in the unopened original container and at a temperature below 59°F (15° C). The 'best use before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

### Contact Information

DSM Nutritional Products LLC  
45 Waterview Boulevard  
Parsippany, NJ 07054-1298  
Tel.: +1 (800) 451-8325 (Animal Nutrition)  
Fax: +1 (866) 227-4803  
[www.dsm.com/animal-nutrition-health](http://www.dsm.com/animal-nutrition-health)