

Product Guide



Advancing Animal Agriculture with More Effective and Ethical Hydration, Nutrition and Medication Delivery Solutions



COMPANY BACKGROUND

ClearH₂O®, founded in 2005, is a Maine-based life science company meeting the needs of leading animal researchers, breeders and producers by providing therapeutic ingredients to enrich animals' lives and productivity. We leverage our expertise in food science with animal nutrition and apply our proprietary gel technology to develop, manufacture and market cost-effective solutions to address unmet animal husbandry needs, while saving time and labor. ClearH₂O® products are produced in a state of the art FDA inspected

QUALITY ASSURANCE

ClearH₂O® products are manufactured under stringent quality standards that meet food grade cGMP requirements as defined and inspected by the FDA. Our manufacturing facility meets HACCP guidelines and is certified to meet the rigorous Safe Quality Food (SQF) program standards recognized by the Global Food Safety Initiative (GFSI). ClearH₂O® tests all products by an independent laboratory to ensure our products are commercially sterile and free from contamination.

commercial sterility render all of our products room temperature shelf stable with extended dating. All ClearH₂O® Agriculture nutritional product ingredients been adequately shown to be safe under the conditions of their intended use.

CUSTOMER SERVICE

ClearH₂O®'s Customer Service Team welcomes your inquiries and orders by contacting us directly at 888-493-7645, by fax at 207-221-8905, by email at orders@clearh2o.com, or online (www.clearh2o.com).

Our Customer Service hours are 8:00 a.m. to 5:00 p.m. (Eastern Time), with

AGRICULTURAL PRODUCTS

Quick Reference Guide



Clear H₂O°

	PRODUCT	PRODUCT NO.	APPLICATION	PACKAGE SIZE	UNITS/CASE	PALLET QUANTITY	SHELF LIFE	STORAGE	PAGES
	HydroGel [™] 95	70-20-1361	Hydration & Dietary Supplement for Transportation	1020 gm Pouch	15 Pouches	70 Cases	18 Months	Room Temperature	6 - 7
	DietGel®Poultry	76-01-1020	Nutrient Fortified Hydration & Dietary Supplement for Transportation	1020 gm Pouch	15 Pouches	70 Cases	24 Months	Room Temperature	8 - 9
	AquaDrop [®]	69-559-PL	GelDrop® Delivery System for topical application of biologics, nutrients,	4.25 Gallon Pail	1-4.25 Gallon Pail	60 Pails	12 Months	Room Temperature	10 - 11
	AquaDrop®Reactant	69-600-DR	GelDrop® Delivery System spray reactant for AquaDrop®	44 lb Bag	1-44 lb Bag	N/A	24 Months	Room Temperature	11
	AquaDrop®Concentrate	69-500-PCH	Proprietary double-phase GelDrop® technology for the topical application of orally delivered ingredients during hatchery processing.	4.5 lb Pouch	8 Pouches	60 Cases	12 Months	Room Temperature	12 - 13
	AquaDrop®Reactant	69-600-DR	GelDrop® Delivery System spray reactant for AquaDrop®	44 lb Bag	1-44 lb Bag	N/A	24 Months	Room Temperature	13
	AquaBeads [®]	69-510-PL	Gel beads for feed attractant top-dressing and hydration supplementation applications.	34 lb Pail	1-34 lb Pail	60 Pails	12 Months	Room Temperature	14 - 15
	AquaBeads [®] Natural	69-550-PL	Organic proprietary gel beads for feed attractant top-dressing and hydration supplementation applications.	34 lb Pail	1-34 lb Pail	60 Pails	12 Months	Room Temperature	16 - 17
	AquaBeads®Gut Health	69-560-PL	Proprietary gel beads for gut health support during feed attractant and hydration supplementation applications.	34 lb Pail	1-34 lb Pail	60 Pails	12 Months	Room Temperature	18 - 19
	Gel Cutting Device & Cutting Board	90-04	Equipment	1 Box	1 Unit	N/A	N/A	N/A	20 - 21
	GelDrop® Applicator	91-01	Equipment	1 Box	1 Unit	N/A	N/A	N/A	22 - 23



HydroGel[™]95

Non-Wetting Hydration Supplement Gel for Poultry, 95% Water

HydroGel™95 is a ready-to-use hydration supplement, containing 95% water with nutrients specifically formulated for hatchling poultry. HydroGel™95 enhances hatchling survival rate and their ability to overcome the stress of transportation from hatchery to farm.

Clearly Better Quality

- **Nutritionally Balanced** Delivers hydration and nutrition during transportation.
- **Portion Control** Gel Cubes retain their shape, composition and moisture content.
- **High Consumption** Green color encourages consumption.
- Non Wetting Hatchlings stay dry.
- **Contaminant Free** Independent laboratory tested to be free of spoilage organisms and pathogens.
- **Quality Assurance** Produced in an FDA approved facility with Certificates of Analysis available on-line.

Clearly Better Convenience

- **Ready-To-Use** No measuring or mixing. Reduces time and labor.
- Packaging 1020g pouches coded with lot and expiration date.
- **Portioning** Each pouch yields 49 21gm or 196 5gm gel cubes for easy dispensing. Use our Gel Cutting Device & Cutting Board for best results.
- Stability Commercially sterile. Room temperature shelf stable.

HydroGel[™]95

Nutritional Information per 100g

(calculated from database figures)

Calories	25.6 kca
Protein	0.3 g
Carbohydrates - total	2.1 g
Sugars	0.4 g
Dietary Fiber	1.6 g
Fat – total	1.9 g
Water	94-96 %
Calcium	37.9 mg
Phosphorus	4.0 mg
Potassium	37.4 mg
Sodium	32.0 mg

Ingredients

Purified Water, Vegetable Oil, Hydrocolloids, Molasses, Corn Fiber, Plant Protein (Wheat), Food Acids, Electrolyte Blend, Vitamin Blend, Mineral Blend, Food Colors.

Shelf Life

18 months at room temperature. No refrigeration or special handling.



Ordering Information

HydroGel™95 - 70-20-1361

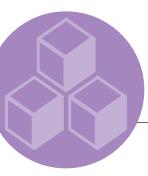
1020 grams / pouch 15 pouches / case 70 cases / pallet

Gel Cutting Device & Cutting Board - 90-04

Chick Box Portioning

Pouches / Case	15
Grams / Pouch	1020 g
1" Gel Cubes	
Cubes / Pouch	49
Grams / Cube	20.8 g
Cubes / Chick Box	4
1/2" Gel Cubes	
Chicks / Chick Box	196
Grams / Cube	5.2 g
Cubes / Chick Box	16
Chick Boxes / Pouch	12.25
Chick Boxes / Case	184
Chick Boxes / Pallet	10,290

6 Agricultural Product Guide



DietGel®Poultry

Hydration Supplement for Hatchling Poultry

DietGel®Poultry is a ready-to-use, nutritional supplement for hatchling poultry during transport. Combines hydration and essential nutrients, electrolytes, vitamins, and protein, in addition to natural attractants to promote consumption. DietGel® Poultry provides the hydration and nutrition hatchlings need to successfully endure and recover from the stress of transportation from hatchery to farm.

Clearly Better Quality

- **Nutritionally Balanced** Delivers hydration and nutrition supporting early chick development.
- **Rehydrating Ingredients** Contains Betaine to promote cell hydration and stress recovery.
- **High Consumption** Green color and odor attractants encourage consumption.
- Non-wetting Hatchlings stay dry.
- Contaminant Free Independent laboratory tested to be free of spoilage organisms and pathogens.
- Quality Assurance Produced in an FDA approved facility with Certificates of Analysis available on-line.

Clearly Better Convenience

- **Ready-to-Use** No measuring or mixing, reducing time and labor.
- Packaging 1020g pouches coded with lot and expiration date.
- Portioning Each pouch yields 49 21gm or 196 5gm Gel Cube for easy dispensing. Use our Gel Cutting Device & Cutting Board for best results.
- **Stability** Commercially sterile. Room temperature shelf stable.

DietGel®Poultry

Nutritional Information per 100g

Calories	28.5 kcal
Protein	0.5 g
Amino Acids	2.8 g
Carbohydrates - total	1.5 g
Sugars	0.1 g
Dietary Fiber	1.4 g
Fat – total	1.7 g
Water	92-96 %
Calcium	43.4 mg
Phosphorus	5.7 mg
Potassium	7.9 mg
Sodium	21.8 mg

Ingredients

Purified Water, Amino Acid Blend, Hydrocolloids, Vegetable Oil, Betaine, Food Acids, Mineral Mix, Vitamin Mix, Food Colors.

Shelf Life

24 months at room temperature. No refrigeration or special handling.



DietGel®Poultry - 70-01-1020

Gel Cutting Device & Cutting Board - 90-04

Chick Box Portioning

1" Gel Cubes	
Cubes / Pouch	49
Grams / Cube	20.8
Cubes / Chick Box	
1/2" Gel Cubes	
Chicks / Chick Box	196
Grams / Cube	5.2
Cubes / Chick Box	16
Chick Boxes / Pouch	12.25
Chick Boxes / Case	184
Chick Boxes / Pallet	10,290





AquaDrop®



AquaDrop® is a ready-to-use, flowable gel for oral delivery of biologics, nutrients, and supplemental hydration to day-old chicks and poults. AquaDrop®'s physical properties produce droplets with superior surface tension allowing for optimum preening and comsumption of target ingredients.

Clearly Better Quality

- Optimized Delivery Exclusively designed for administration through the GelDrop® Applicator to provide enduring droplets with optimum distribution, adhesion, homogeneous ingredient suspension and non-wicking/wetting properties.
- **High Consumption** Green color encourages consumption.
- **Contaminant Free** Commercially sterile and Independent laboratory tested.
- **Quality Assurance** Produced in an FDA approved facility with Certificates of Analysis available at www.clearh2o.com.

Clearly Better Convenience

- Ready-To-Use No measuring, mixing, or straining before the
 addition of your target ingredients which eliminates inconsistency
 typically found in powder gels due to mixing variability or
 mineral and chemical contaminants from the local water supply.
 ClearH₂O®'s proprietary AquaDrop® manufacturing process
 ensures the highest product quality and consistency for reliable
 convenience for our customers.
- Packaging 4.25 gallon pail, 60 pails/pallet
- Shelf Life 12 months at room temperature with no refrigeration.

AquaDrop®

Nutritional Information per 100g

(calculated from database figures)

Calories	16.2 kca
Carbohydrates - total	4.2 g
Dietary Fiber	0.9 g
Water	93-97 %
Calcium	3.6 mg
Potassium	43.2 mg
Sodium	92.8 mg

Ingredients

Purified Water, Food Starch, Hydrocolloids, Electrolyte Blend, Food Acid, Food Color.

Shelf Life

12 months at room temperature. No refrigeration or special handling.



Ordering Information

AquaDrop® - 69-559-PL 4.25 gallon pail (36 lbs) 60 pails / pallet

AquaDrop® Reactant

Shelf Life

24 months at room temperature. No refrigeration or special handling.

MSDS available upon request.



Ordering Information

AquaDrop® Reactant 69-600-DR 44 lb bag





Proprietary Double-Phase GelDrop® Technology for the Topical Application of Orally Delivered Ingredients During Hatchery Processing

AquaDrop® Concentrate is a highly concentrated formulation of AquaDrop®, the flowable gel for oral delivery of biologics, nutrients, and supplemental hydration to day-old chicks and poults AquaDrop® Concentrate's physical properties produce droplets with superior surface tension allowing for optimum preening and consumption of target ingredients.

Clearly Better Quality

- Exclusively designed for administration through the GelDrop® Applicator to provide enduring droplets with optimum distribution, adhesion, homogeneous ingredient suspension and non-wicking/wetting properties.
- **Contaminant Free** Commercially sterile and Independent laboratory tested.
- **Quality Assurance** Produced in an FDA approved facility with Certificates of Analysis available at www.clearh2o.com.

Clearly Better Convenience

- **Efficient** The concentrated formulation reduces packaging, inventory space, and shipping costs.
- Easy-to Use The simple mixing procedure allows for quick, homogenous mixing of vaccinations.
- Packaging 8/4.5 lb pouches, 60 cases/pallet
- **Shelf Life** 12 months at room temperature

Mixing Instructions

The following recommended dilution ratio of water to AquaDrop® Concentrate is 3:1.

- 1. Fill a 5-gallon pail with 3-gallons of water.
- 2. Add 2 pouches of AquaDrop® Concentrate to the pail, (1 4.5 lb pouch = ½ gallon). Squeeze out as much of the gel as possible.
- **3.** Using a mortar mixer with helical paddle, mix for 3 minutes.
- **4.** The AguaDrop® is now ready for use with the GelDrop® Applicator.

AquaDrop®Concentrate

Nutritional Information per 100g

(calculated from database figures)

Calories	27.4	kca
Carbohydrates - total	8.3	g
Dietary Fiber	3.4	
Water	89-93	%
Calcium	0.9	mg
Potassium	31.1	mg
Sodium	399.0	mg

Ingredients

Purified Water, Corn Syrup, Hydrocolloids, Electrolyte Blend, Food Colors, Food Acid.

Shelf Life

12 months at room temperature. No refrigeration or special handling for either.



Ordering Information

AquaDrop® Concentrate 69-500-PCH 8/4.5 lb pouches 60 cases/pallet

AquaDrop® Reactant

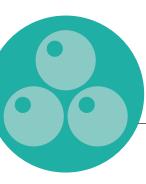
Shelf Life

24 months at room temperature. No refrigeration or special handling.

MSDS available upon request.



Ordering Information
AquaDrop® Reactant
69-600-DR
44 lb baq



AquaBeads®

Proprietary Gel Beads for Feed Attractant Top-Dressing and Hydration Supplementation Applications

AquaBeads are a ready-to-use, high-moisture gel bead designed for application as a top-dressing to starter feed at the time of placement to accelerate early discovery of feed and water for improved health and growth performance.

Clearly Better Quality

- **Nutritional Hydration** Water gel beads enhanced with electrolytes and betaine to provide both hydration and nutrition supplementation.
- **Highly Attractant** Translucent green color stimulates hatchling attraction to accelerate feed discovery.
- **Contaminant Free** Commercially sterile and independent laboratory tested.
- Quality Assurance Produced in an FDA approved and SQF certified facility with Certificates of Analysis available at www. clearh2o.com.

Clearly Better Convenience

- Ready-To-Use No measuring, mixing, or addition of water needed for easy, clean, and convenient administration.
- Packaging 34 lb pail (60 pails/pallet)
- **Shelf Life** 12 months at room temperature. No refrigeration required if unopened.

Instructions

- Apply as a feed top-dressing at a rate of 1-2 grams/hatchling/day at the time of placement.
- Applications may range from 1-3 days depending on hatchling and environmental conditions.

AquaBeads®

Nutritional Information per 100g

(calculated from database figures)

Calories	18.6 kcal
Protein	0.1 g
Carbohydrates	4.5 g
Sugars	1.7 g
Dietary Fiber	1.2 g
Fat - total	0 g
Saturated Fat	0 g
Cholesterol	0.1 mg
Water	92-96 %
Calcium	190.6 mg
Potassium	73.2 mg
Sodium	151.3 mg
Iron	0.3 mg
Magnesium	0.1 mg

Ingredients

Purified Water, Corn Syrup, Hydrocolloids, Food Acids, Modified Food Starch, Electrolyte Blend, Calcium Acetate, Betaine, Food Colors, EDTA.

Shelf Life

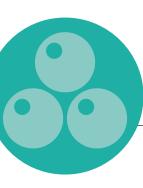
12 months at room temperature. No refrigeration or special handling.



Ordering Information

AquaBeads® - 69-510-PL 34 lb pail 60 pails/pallet





AquaBeads®Natural

Organic Proprietary Gel Beads for Feed Attractant Top-Dressing and Hydration Supplementation Applications

AquaBeads Natural are a ready-to-use, high-moisture gel bead designed for application as a top-dressing to starter feed at the time of placement to accelerate early discovery of feed and water for improved health and growth performance. AquaBeads Natural are made from organic-compliant, all-natural ingredients.

Clearly Better Quality

- **Nutritional Hydration** Water gel beads enhanced with electrolytes and betaine to provide both hydration and nutrition supplementation.
- **Highly Attractant** Translucent green color stimulates hatchling attraction to accelerate feed discovery.
- **Contaminant Free** Commercially sterile and independent laboratory tested.
- Quality Assurance Produced in an FDA approved and SQF certified facility with Certificates of Analysis available at www. clearh2o.com.

Clearly Better Convenience

- **Ready-To-Use** No measuring, mixing, or addition of water needed for easy, clean, and convenient administration.
- Packaging 34 lb pail (60 pails/pallet)
- **Shelf Life** 12 months at room temperature. No refrigeration required if unopened.

Instructions

- Apply as a feed top-dressing at a rate of 1-2 grams/hatchling/day at the time of placement.
- Applications may range from 1-3 days depending on hatchling and environmental conditions.

AquaBeads® Natural

Nutritional Information per 100g

(calculated from database figures)

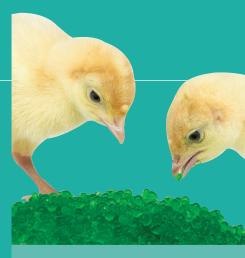
Calories	18.6	kca
Protein	0.1	g
Carbohydrates	0.5	g
Sugars	0.1	g
Dietary Fiber	1.7	g
Fat - total	0.0	g
Saturated Fat	0.0	g
Cholesterol	0.0	mg
Water	92-96	%
Calcium	190.6	mg
Potassium	73.2	mg
Sodium	151.3	mg
Iron	0.3	mg
Magnesium	0.1	mg

Ingredients

Purified Water, Glucose Syrup, Hydrocolloids (Sodium Alginate, Xanthan Gum, Locust Bean Gum, Carrageenan), Preservatives (Citric Acid, Potassium Sorbate, Sodium Benzoate), Modified Food Starch, Betaine Anhydrous, Turmeric Extract, Spirulina Extract.

Shelf Life

12 months at room temperature. No refrigeration or special handling.



Ordering Information

AquaBeads® Natural 69-550-PL

34 lb pail 60 pails/pallet



^{*} AquaBeads Natural organic product certification pending.



Proprietary Gel Beads for Gut Health Support During Feed Attractant and Hydration Supplementation Applications

AquaBeads Gut Health are a ready-to-use, high- moisture gel bead formulated with the combination of oregano essential oil and prebiotic fiber to support gut health. AquaBeads Gut Health is designed for application as a top-dressing to starter feed at the time of placement to accelerate early discovery of feed and water and promote a healthy gut microbiome.

Clearly Better Quality

- **Gut Health Support** Incorporates oregano essential oil and prebiotic fiber known to support a healthy microbiome.
- **Nutritional Hydration** Water gel beads enhanced with electrolytes and betaine to provide both hydration and nutrition supplementation.
- **Highly Attractant** Translucent green color stimulates hatchling attraction to accelerate feed discovery.
- Contaminant Free Commercially sterile and independent laboratory tested.
- **Quality Assurance** Produced in an FDA approved and SQF certified facility with Certificates of Analysis available at www.clearh2o.com.

Clearly Better Convenience

- **Ready-To-Use** No measuring, mixing, or addition of water needed for easy, clean, and convenient administration.
- Packaging 34 lb pail (60 pails/pallet)
- Shelf Life 12 months at room temperature. No refrigeration required if unopened.

Instructions

- Apply as a feed top-dressing at a rate of 1-2 grams/hatchling/day at the time of placement.
- Applications may range from 1-3 days depending on hatchling and environmental conditions.

AquaBeads® Gut Health

Nutritional Information per 100g

(calculated from database figures,

Calories	18.6	kca
Protein	0.1	g
Carbohydrates	4.5	g
Sugars	1.2	g
Dietary Fiber	2.0	g
Fat - total	0.2	g
Saturated Fat	0.0	g
Cholesterol	0.0	mg
Water	92-96	%
Calcium	190.6	mg
Potassium	73.2	mg
Sodium	153.6	mg
Iron	0.3	mg
Magnesium	0.1	mg

Ingredients

Purified Water, Corn Syrup, Hydrocolloids, Food Acids, Modified Food Starch, Electrolyte Blend, Calcium Acetate, Origanum Oil, Betaine, Food Colors, EDTA.

Shelf Life

12 months at room temperature. No refrigeration or special handling.



Ordering Information

AquaBeads® Gut Health 69-560-PL 34 lb pail 60 pails/pallet





Gel Cutting Device & Cutting Board

The Gel Cutting Device & Cutting Board are designed to provide efficient and uniform portioning of ClearH₂O[®] hydration supplement gels for poultry.



Clearly Better Preparation

- ✓ Designed specifically for portioning HydroGel™95 & DietGel® Poultry for hydration supplementation.
- Durable construction—made of stainless steel and food grade polymer components.
- ✓ Easy to clean or sterilize.
- ✓ Produces 49 1" Gel Cubes (approx. 20.8g each) or 196 – ½" Gel Cubes (approx. 5.2g each) per 1020 gram gel square with interchangeable blades.
- ✓ Convenient and efficient—processing 4 gel squares in one step.



Portioning with the Gel Cutting Device & Cutting Board



Set up the Gel Cutting Device on the Cutting Board placed over a bucket or storage container



Using a Pouchmate opener, slice the pouch open and remove the gel square.



Place up to four gel squares into the Gel Cutting Device hopper.



With the Gel Cutting Device plunger, push the gel squares through the blade assembly.



Ordering Information
Gel Cutting Device &
Cutting Board - 90-04
1 box



GelDrop®Applicator

The GelDrop® Applicator is the leading gel delivery system designed to optimize topical application of biologics, nutrients, and hydration supplementation for day old chicks and poults using double-phase gel technology.

CLEARLY BETTER GEL DELIVERY

Droplet Size & Adhesion

- Dual, overlapping, independent manifold heads.
- Adjustable air pressure efficiently delivers a range of gel viscosities.
- Droplets are distributed that stick on contact, eliminating roll off.

Droplet Distribution

- Manifold nozzles provide variable size droplets.
- Adjustable height applicator bar adapts to any conveyor configuration.
- Programmable gel delivery volume provides flexibility to meet treatment needs.
- Droplet distribution promotes uniform consumption for all hatchlings.

Homogeneous Ingredient Suspension

- Supports double-phase gel technology.
- GelDrop® stabilizer system maintains homogeneous suspension.

Non-Wicking/Wetting

- The GelDrop® Technology formulation has high water retention properties.
- High droplet surface tension minimizes wetting.







- 1 Programmable soleinoids to accommodate variable conveyor speeds.
- 2 Pneumatic air hook up. Adjustable pressure regulator (rated up to 142 psi) providing flexible dispensing dosage volume up to 60 mls.
- **3** Manifold and spray assembly for simultaneous administration of gel and reactant.
- Digital display, counter, and user interface.
- **5** Programmable low-and empty-alarm light beacon.
- 6 5 gallon gel tank and 3 gallon reactant tank.

Ordering Information GelDrop® Applicator - 91-01 1 box

System Specifications

Electrical Connection 120V AC
Compressed Air Connection 1/4" OD
Weight 87 Lbs (39.5 Kg)

Height 36-51" Width 28" Kg) Depth 41"

36.000

Pressure Tank Wt (5 gal) 20 lbs (9.07 Kg)
Pressure Tank Wt (3 gal) 15 lbs (6.8 Kg)
Flow Rates up to 60 mls
Max PSI 142 PSI

Clear H,O°



Custom Formulations

CUSTOM FORMULATIONS

ClearH2O® is a global manufacturer of specialty hydration, nutrition, and medication delivery products for animal agriculture. Our unique food science and nutrition expertise, combined with our extensive nutrient ingredient sourcing relationships makes us exceptionally capable to manufacture your custom gel delivery formulation. ClearH2O® can make your custom gel to optimize delivery of your target ingredients.

ClearH₂O® manufactures in small batches which produces approximately one pallet quantity of product. We can supply you with the competitive advantage of your own custom formulations with the highest quality and most bioavailable nutritional supplements. A minimum order is one pallet.

To inquire about manufacturing your customer formulation, please contact us at 888-493-7645 and ask to speak with our Director of Technical Services.



Notes	Notes

Clear H₂O°

Clearly better products for improved animal health and welfare.

COMPANY INFORMATION

ClearH2O® is committed to providing products that improve the welfare and productivity of poultry. We offer poultry breeders and producers gel products that support the optimum delivery of biologics, nutrients, and supplemental hydration to chicks and poults. Our proprietary product formulations and manufacturing process results in unsurpassed product consistency and convenience.

www.clearh2o.com 1-888-493-7645