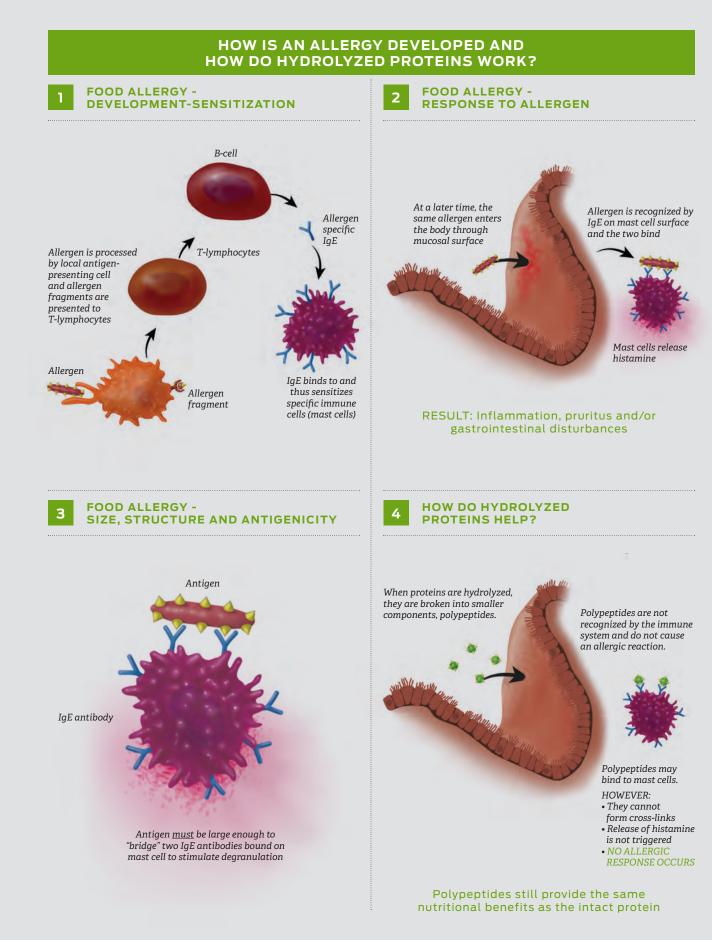
### A CLOSER LOOK

A GLIMPSE INSIDE THE SCIENCE



## PURINA® PROPLAN VETERINARY DIETS®







### Learn more at www.ProPlanVeterinaryDiets.ca

For more information, visit www.ProPlanVeterinaryDiets.ca or call us at 1-866-884-VETS (8387). Have a Case consult? We are here to help. Contact our Canadian Veterinary Nutrition Team at canadavetconsult@purina.nestle.com







PURINA TRADEMARKS ARE OWNED BY SOCIÉTÉ DES PRODUITS NESTLÉ S.A. ANY OTHER MARKS ARE PROPERTY OF THEIR RESPECTIVE OWNERS. VET-2010E-HAFDET

# PURINA<sup>®</sup> PROPLAN VETERINARY DIETS

**HYDROLYZED**<sup>°</sup>

### MEDICAL INDICATIONS

Multiple Indications for a Wide Range of Patients

Dermatologic

Elimination diet trial

Gastrointestinal

- Selimination diet trial
- Solution Food allergic gastroenterities Food allergic dermatities
- Solution Food intolerance
- Inflammatory bowel disease
- Pancreatitis

YDROLYZED

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VETERINARY

XCLUSIVEMENT CH LES VÉTÉRINAIRES EXCLUSIVO EN



PURINA<sup>®</sup>

PROPLAN

VETERINARY

DIETS

Your Pet, Our Passion

### THE FELINE ALLERGY OPPORTUNITY

#### INDICATION RELEVANCE

Adverse food reactions account for approximately 10 - 15% of all allergic skin diseases in dogs and cats.<sup>1</sup> Also, 18% of cats visiting veterinary clinics were seen because of GI issues, and 17% were seen because of skin issues.<sup>2</sup>



DIETARY MODIFICATION

The 3 most common types of allergies are atopy, flea allergic dermatitis and food sensitivities. The most common food allergens for cats are beef, dairy, fish, and lamb<sup>3</sup>. Adverse food reactions can include both skin and GI symptoms<sup>3</sup>. Dietary modifications can help to nutritionally manage cats with food sensitivities by providing hydrolyzed sources of protein in a hypoallergenic diet.

<sup>1</sup>Dermatology. Blackwell's five-minute veterinary consult. Canine and Feline, Fifth Edition. P. 491 (2011). Ames, Iowa. Blackwell; <sup>2</sup>Veterinary Landscape Study, May 2015; <sup>3</sup>Verlinden A, Hesta M, Millet S, et al. Food allergy in dogs and cats: a review. Crit Rev Food Sci Nutr. 2006;46:259–273.

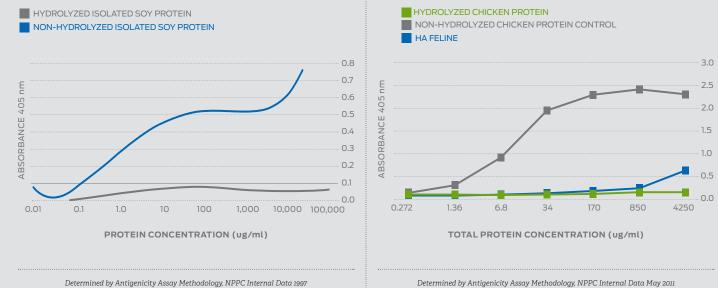
### **HEALTH BENEFITS**

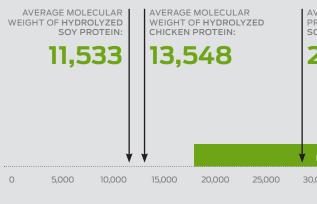
BENEFIT	INGREDIENTS	MECHANISM		
<ul> <li>LOW ANTIGENICITY FORMULA</li> <li>Total formula average molecular weight at 12,269 daltons</li> <li>Formulated with only hydrolyzed protein sources</li> <li>Single low-allergen starch source helps minimize the risk of an allergic reaction</li> </ul>	<ul> <li>Protein from hydrolyzed soy protein isolate, hydrolyzed chicken liver, hydrolyzed chicken</li> <li>Starch from rice starch</li> </ul>	<ul> <li>A hypoallergenic diet contains protein that has been reduced to small polypeptides through hydrolysis. Small polypeptides are not recognized as an antigen by the immune system</li> <li>The starch source in the formula is a highly refined starch that contains virtually no protein (&lt;1% protein)</li> </ul>		
<b>DIGESTIVE HEALTH</b> • Highly digestible formula made with quality ingredients and formulated to promote optimal nutrient absorption and facilitate digestion	• High-quality ingredients	<ul> <li>Total Formula Digestibility at 92.5%</li> <li>High protein digestibility at 92.9% and CHO digestibility at 97.2%</li> </ul>		
SKIN SUPPORT • Helps maintain healthy skin with a nutrient blend of vitamins, minerals, high-quality protein and essential fatty acids	<ul> <li>Canola oil and corn oil as sources of Omega-6 fatty acids</li> <li>Mineral: Zn</li> <li>Vitamin A</li> <li>High-quality protein</li> </ul>	<ul> <li>Omega-6 fatty acids are basic components of skin structure</li> <li>Zn is an essential cofactor in collagen formation</li> </ul>		
<ul> <li>URINARY TRACT HEALTH</li> <li>Promotes a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals</li> </ul>	• Total complete formulation for growth and maintenance	• Validated by comprehensive urinary testing (RSS) for metastable urine saturation		

## ANTIGENICITY AND MOLECULAR WEIGHT

#### ANTIGENICITY OF INTACT AND HYDROLYZED SOY PROTEIN

Breaking dietary protein into smaller fragments can drastically reduce its antigenicity. The hydrolyzed protein used in the HA formula is not recognized by soy-specific binding molecules.





Molecular weight (dalton) determined by HPLC Methodology, NPPC Internal Data 2008-2010

## **RESEARCH AND RESULTS**

ANTIGENICITY OF INTACT AND **HYDROLYZED CHICKEN PROTEIN** 

Breaking dietary protein into smaller fragments can drastically reduce its antigenicity. The hydrolyzed protein used in the HA formula is not recognized by chicken-specific binding molecules.

#### AVERAGE MOLECULAR WEIGHT IN DALTONS

AVERAGE MOLECULAR WEIGHT OF PROTEIN IN NON-HYDROLYZED

28.961

RANG	Ε ΟΓ ΤΥΡΙΟ	AL FOOD AL	LERGENS	8,000	0 - 70 <sub>:</sub>	,000	
0,000	35,000	40,000	45,000	50,000	55,000	60,000	65,000

**EVALUATING PATIENTS** WITH SUSPECTED FOOD ALLERGY

