

# Inflammation Modulation Formulas

## Notes on usage

These proteolytic formulas taken between meals modulate inflammation by providing support to the circulatory system (heart, blood, and lymph), immune system, and detoxifying organs (skin, lungs, kidney, liver, and colon). These enzymes have a wide range of pH activity and are gastric stable requiring no enteric coating, meaning their anti-inflammatory benefits extend throughout the body.

### How do proteolytic enzymes impact overall health?

- **Inflammatory Control** – Protease supports a healthy response to inflammation and modulates the body's response to any kind of cellular damage whether caused by infection, injury, autoimmune disorder, or oxidative stress.
- **Improved Circulation** – Fibrinolytic and thrombolytic activity reduces inappropriate clot formation and improves blood flow. This in turn facilitates:
  - » Transport of immune cells to sites of infection, inflammation, and damage
  - » Delivery of nutrients to the cell for recovery, healing, and repair
  - » Delivery of oxygen to brain, muscles, and tissues
  - » Removal of metabolic wastes from the cell
  - » Support for heart, liver, and kidney function
- **Immune System Support** – Enzymes join the white blood cells (alpha 2 macroglobulin) working with your body's innate intelligence. The immune system becomes more precise and efficient (*it works smarter, not harder*).
  - » Managed inflammatory response (reduced overreactions to minor triggers)
  - » Less susceptible to colds, allergies, and infections
  - » Reduced toxic load frees up the immune system to deal with real threats
- **Improved Detoxification** – Enzymes support removal of metabolic waste, environmental toxins, and helps maintain a healthy internal environment.
  - » Improved inflammatory response (timely removal of toxins for decreased overreaction to minor triggers)
  - » Once foreign or invading proteinaceous molecules are identified and attacked by the immune cells, proteases will assist in the further breakdown of these compromised proteins for clearing from the system
  - » Better circulation means better filtration and removal of toxins from the blood stream
  - » A "clean" system functions better and leads to cellular vitality

### General Indications

- |                             |                                       |
|-----------------------------|---------------------------------------|
| • Inflammation              | • Organ/System Dysfunction            |
| • Auto-immune Disorders     | • Toxemia                             |
| • Prevention and Wellness   | • Metabolic and Genetic Disorders     |
| • Cardiovascular Health     | • All conditions associated with poor |
| • Compromised Immune System | protein digestion and absorption      |

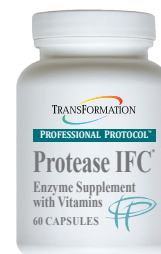
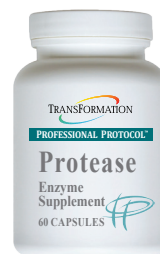
### General Information

- Except for the non-vegetarian SOD in Protease IFC from bovine liver, these products are vegetarian and contain no known dairy, gluten, or soy
- In vegetable capsules (cellulose and water) that easily pull apart for those who cannot swallow a capsule
- Safe during pregnancy and lactation and safe for children
- Safe for pets

### Dosing

- Transformation™ recommends taking proteolytic enzymes between meals for quicker absorption into the blood stream. Between meals is defined as approximately 1 hour before or 2 hours after a meal. However, if one feels they cannot take them on an empty stomach, then taking with food is acceptable.
- The recommended usage listed on the bottles is maintenance dosage. For therapeutic dosage, more may be taken based on need.

# Proteolytic Formulas



Ingredient	Source	PureZyme	Protease 375K	Protease	Protease IFC
Protease 4.5	<i>Aspergillus oryzae</i>	370,000 HUT	375,000 HUT	341,020 HUT	65,400 HUT
Protease 6.0	<i>Aspergillus oryzae</i>			10,000 HUT	
Peptidase	<i>Aspergillus oryzae</i>			4,000 HUT	
Protease 3.0	<i>Aspergillus oryzae</i>			19 SAPU	
Bromelain	<i>Ananas comosus</i>			600,000 FCCPU	1,800,000 FCCPU
Papain	<i>Carica papaya</i>				>1,000,000 FCCPU
Moringa	<i>Moringa oleifera</i>				
Cannabidiol	Isolate				
Vitamins					YES
Minerals					YES
Antioxidants					YES
Calcium	Citrate	YES		YES	YES
<b>TOTAL PROTEASE ACTIVITY (per serving)</b>		<b>370,000 HUT</b>	<b>375,000 HUT</b>	<b>356,730 HUT +600,000 FCCPU</b>	<b>65,400 HUT +2,800,000 FCCPU</b>

total per  
2 capsule  
serving size

total per  
1 capsule  
serving size

total per  
1 capsule  
serving size

total per  
1 capsule  
serving size

## What are proteolytic enzymes?

Enzymes are energy-rich protein molecules and necessary for life. They catalyze and regulate chemical reactions, an essential part of every activity in the body. While digestive enzymes break down the food we eat, releasing vital nutrients to feed our cells and support optimal health, systemic proteolytic enzymes taken daily between meals promote oxygen flow and nutrient delivery to all of the body's cells, supporting both the circulatory and the immune systems. A proteolytic enzyme formula is essential to any wellness program because they provide systemic benefits to the circulatory system, immune system, and detoxifying organs. Health benefits include improved circulation, immune system function, inflammatory response, and detoxification. Optimal circulation and immunity supports the delivery of nutrients and oxygen to all parts of the body, enhancing its ability to defend and detoxify itself on a regular basis.

## What are the different protease formulas?

- PureZyme is a gentler blend for sensitive individuals, the perfect introduction to systemic proteolytic enzymes for all ages
- Protease 375K has no bromelain, papain, or calcium for those with pineapple or papaya allergies or patients needing to limit calcium
- Protease is our most therapeutic protease blend with the highest total protease activity
- Protease IFC is dual approach of proteases with antioxidants, bromelain, and papain

# PROTEASE

*Transformation's most  
therapeutic systemic  
proteolytic formula*

This proprietary blend of highly active, GI stable proteolytic enzymes has been combined to promote circulation, a strong healthy immune system, reduced inflammation, and timely detoxification.

## Product Highlights

- Endo/exo peptidases break the inner/terminal bonds of amino acid chains for more efficient hydrolysis of proteins
- Protease blend (including bromelain plant enzymes) for reducing inflammation
- More than 400,000 HUT for the highest proteolytic activity available (600,000 PU = 51,000 HUT)
- 19 SAPU units from Protease 3.0
- Approx. 2,400 FU breaks down fibrin and clots and promotes healthy blood flow
- Calcium improves tolerance on an empty stomach

SUPPLEMENT FACTS		
Serving Size 1 Capsule		
Amount Per Serving	% Daily Value	
Tzyme™ Protease Blend (peptidases, bromelain) (355,020 HUT + 19 SAPU) (600,000 PU)	492 mg	†
† Daily Value not established		

Other Ingredients: Vegetable Capsule (Hydroxypropylmethylcellulose, Water), Calcium Citrate

## Clinical Applications

- Inflammatory disorders (GI, joints, skin, respiratory system, and organs)
- Support and prevention for cancer
- Immune system imbalances
- Hypertension
- Chronic Fatigue / Fibromyalgia
- Bacterial / Viral / Fungal Infections
- Hepatitis
- Kidney Disorders / Renal Insufficiency
- Skin disorders
- Chronic respiratory issues
- All hormone imbalances
- Auto-immune disorders
- Support for complications associated with autism
- Support for complications associated with diabetes
- Muscle strains, soreness, injuries, and surgeries

## For Your Information

- First choice when patient has been diagnosed with a condition (this is the "therapeutic" strength blend)
- It is better to take small doses of protease frequently throughout the day rather than large doses once or twice a day (protease has a half-life of approximately 3-4 hours; the goal is to keep the protease activity constant in the blood stream for therapeutic benefits)
- Compares with Nattokinase and Serra-peptidase
- May be given to children if condition warrants; may be given to pets
- Caution with patients on prescription blood thinning drugs (give protease formulas 3-4 hours away from Rx dose)
- May cause discomfort for individuals with stomach ulcers as protease will debride necrotic tissue and promote healing
- Discontinue taking Protease 24-48 hours prior to surgery and resume 24 hours post-surgery

## Dosage

- Maintenance dose: 1 capsule 3 x day (rise, midday, rest) on an empty stomach
- General therapy dose: 2 capsules 3 x day between meals (approximately 1 hour before or 2 hours after meals)
- Therapeutic dose: 2-3 capsules 4-5 x day, or every 3 hours (goal is to keep high levels of activity in the blood stream at all times; "between meals" becomes difficult, so 30-60 minutes before or after meals is acceptable)
- **MAY BE TAKEN WITH FOOD IF UNABLE TO TOLERATE BETWEEN MEALS**
- Sometimes it is suggested 1 capsule may be taken with meals to enhance the digestion of proteins (diabetes, heartburn, acid reflux, gout, autism, high protein diet)
- For those who have difficulty swallowing pills, the capsules may be pulled apart and mixed in a small amount of tepid water or liquid and consumed immediately
- Topical application: open capsule and make a paste with a small amount of water, then apply to insect bite, fungal rash, mouth sores, inflamed gums, etc

# PROTEASE 375K

*Transformation's second  
highest formula in  
proteolytic activity*

This proprietary formula of highly active, GI stable systemic proteolytic enzymes have been combined to promote circulation, a strong healthy immune system, and timely detoxification.

## Product Highlights

- Protease: 375,000 HUT per capsule is second highest in proteolytic activity
- Contains no bromelain, papain, or calcium

SUPPLEMENT FACTS		
Serving Size 1 Capsule		
Amount Per Serving	% Daily Value	
Protease (375,000 HUT)	625 mg	†
† Daily Value not established		

Other Ingredients: Vegetable Capsule (Hypromellose, Water)

## For Your Information

- Appropriate for individuals who are intolerant to bromelain (pineapple) or papain (papaya)
- This formula is used by DC's specializing in scoliosis, as these patients need to limit calcium
- Protease 375K has similar properties as Protease with less anti-inflammatory benefits
- May be given to children if condition warrants; may be given to pets
- Caution with patients on prescription blood thinning drugs (give protease 3-4 hours away from Rx dose)
- Proteases may cause discomfort for persons with stomach ulcers, as the protease debrids the necrotic tissue and promotes healing
- Discontinue use 24-48 hours prior to surgery and resume 24 hours after surgery

## Clinical Applications

- Inflammation (GI, joints, skin, respiratory system, organs)
- Cancer support/prevention
- Immune system imbalances
- Hypertension
- Chronic Fatigue/Fibromyalgia
- Skeletal Health
- Bacterial/Viral/Fungal Infections
- Hepatitis
- Kidney Disorders/Renal Insufficiency
- Skin disorders
- Chronic respiratory issues
- All hormone imbalances
- Auto-immune disorders
- Support for complications associated with autism
- Support for complications associated with diabetes

## Dosage

- Maintenance dose: 1 capsule 3 x day (rise, midday, rest) on an empty stomach
- General therapy dose: 2 capsules 3 x day between meals (approximately 1 hour before of 2 hours after a meal)
- Therapeutic dose: 2-3 capsules 4-5 x day, or every 3 hours (in this case the goal is to keep high levels of activity in the blood stream at all times; "between meals" becomes difficult, so 30-60 minutes before or after meals is also acceptable)
- Sometimes it is suggested 1 capsule may be taken with meals to enhance the digestion of proteins (diabetes, heartburn, acid reflux, gout, autism, high protein diet)
- For those who have difficulty swallowing pills, the capsules may be pulled apart and mixed in a small amount of tepid water or liquid and consumed immediately
- Topical application: open capsule and make a paste with a small amount of water, then apply to insect bite, fungal rash, mouth sores, inflamed gums, etc

# PROTEASE IFC

Transformation's antioxidant  
and enzyme product for  
inflammatory control

This unique formulation of highly active proteolytic enzymes and antioxidants is designed to help regulate inflammation anywhere on or in the body. This product is ideal for muscle aches, pains, injuries, and stiff joints as well as to promote cardiac health and is applicable for any other inflammatory conditions.

## Product Highlights

- Antioxidants (A, C, E, Se, Zn) plus antioxidant blend to combat damage from oxidative stress, modulate the immune system, and reduce inflammation
- Over 300,00 HUT of protease activity emphasizing bromelain and papain for inflammation
- Rutin, Quercetin, Turmeric, and Hesperidin are well known for their anti-inflammatory properties

SUPPLEMENT FACTS		
Serving Size 1 Capsule		
Amount Per Serving		% Daily Value
Vitamin A (100% as beta carotene)	2,370 mcg (7,900 IU)	263%
Vitamin C (as magnesium ascorbate)	9 mg	10%
Vitamin E (as d-alpha tocopheryl succinate)	1.3 mg (2 IU)	9%
Zinc (as zinc citrate)	0.5 mg	5%
Selenium (as selenium citrate)	16 mcg	29%
Tzyme™ Protease Blend (acid, neutral, alkaline, exo/endo proteases, bromelain, papain) (2,800,000 FCCPU + 65,400 HUT)	209 mg	†
Tzyme™ AntiOx Blends (Kelp, Irish moss, Rutin, Grape seed extract, Quercetin, Alpha-lipoic acid, Citrus bioflavonoid complex, Rose hips (fruit), Hesperidin complex, Turmeric (root), Asian ginseng (root), Eleuthero (root), Gingko biloba leaf extract, L-glutathione, CoQ10, Gingko biloba leaf, Green tea extract, Catalase, Flaxseed, Lutein, SOD)	253 mg	†
† Daily Value not established		

Other Ingredients: Vegetable Capsule (Hypromelllose, Water), Calcium Citrate

## Clinical Applications

- Prevention, wellness, and anti-aging
- Auto-immune
- Sore muscles after exercise or sports activities
- Recovery post-surgery and post-injury
- Cardiovascular health
- Skin disorders
- Inflammatory bowel disorders

*In general, herbal formulas are not recommended during pregnancy and lactation or for children 12 years or younger. Each case should be assessed on an individual basis and the practitioner, along with the patient, may use their professional judgment and decide to use it.*

## For Your Information

- This formula is applicable to everyone, as inflammation is a common denominator in nearly all illnesses and disease
- This product is very well tolerated
- Beta carotene (Vitamin A) toxicity is rare – research suggests caution with long-term intake greater than 10 times of the RDA
- Reduced recovery time (post-surgery and post-injury) when combining Protease IFC with RepairZyme in equal amounts
- We advise discontinue taking Protease IFC 24-48 hours prior to surgery and resume 24 hours post-surgery

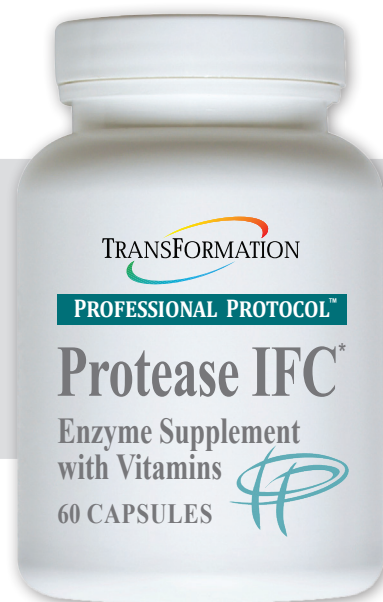
## Dosage

- Maintenance dose: 1 capsule 3 x day on an empty stomach in conjunction with the basic protocol
- Chronic inflammation: 3 capsules 3 x day
- Acute injury: 3-5 capsules 4-5 x day

**⚠ WARNING:** Lead - Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

*This product has been identified as containing naturally-occurring lead that exceeds California Proposition 65 lead levels when dosing more than two capsules per day.*

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# PUREZYME

Transformation's "original"  
systemic protease formula

This formula is a slightly gentler systemic protease option for those who are sensitive to detoxification. This product will assist in maintaining optimal blood flow, immune function, and elimination of toxicity.

## Product Highlights

- Smaller capsule
- Single Protease (4.5) contains 185,000 HUT per capsule
- Calcium for tolerance on empty stomach

SUPPLEMENT FACTS		
Serving Size 2 Capsules		
Amount Per Serving	% Daily Value	
Protease (370,000 HUT)	618 mg	†
† Daily Value not established		
Other Ingredients: Vegetable Capsule (Hypromellose, Water), Calcium Citrate		

## For Your Information

- Gentler formula is very well tolerated for sensitive patients, young children, and those unable to swallow a larger capsule
- Caution with patients on prescription blood thinning agents (give protease formulas 3-4 hours away from Rx dose)
- Proteases may cause discomfort for individuals with stomach ulcers as the protease debrids the necrotic tissue and promotes healing
- Discontinue taking PureZyme 24-48 hours prior to surgery and resume 24 hours post surgery
- May be given to pets

## Clinical Applications

- Support and prevention for cancer
- Immune system imbalances
- Cardiovascular health
- Chronic Fatigue / Fibromyalgia
- Bacterial / Viral / Fungal Infections
- Hepatitis
- Kidney Disorders / Renal Insufficiency
- Skin disorders
- Chronic respiratory issues
- All hormone imbalances
- Auto-immune
- Support for complications associated with autism
- Support for complications associated with diabetes

## Dosage

- Maintenance dose: 2 capsules first thing in the morning, midday, and right before bed
- General therapy dose: 3 capsules 3 x day between meals
- Therapeutic dose: 5 capsules 4-5 x day, or every 3 hours (the goal is to keep high levels of activity in the blood stream at all times, so 30-60 minutes before or after meals is acceptable)
- 2 capsules may be taken with meals to enhance digestion of proteins (diabetes, heartburn, acid reflux, gout, autism, high protein diet)
- For those who have difficulty swallowing capsules, they may be pulled apart and contents mixed in a small amount of tepid water and/or mixed with first bite of food
- Topical application: open capsule and make a paste with a small amount of water, then apply to insect bite, fungal rash, mouth sores, inflamed gums, etc

