MetaRestore™ Long COVID Support - Detailed Page

Medical Food for the Dietary Management of Metabolic Disturbances Associated with Long COVID Syndrome

IMPORTANT: MetaRestore™ is a medical food that must be used under physician supervision as required by FDA regulations.

MetaRestore™ is formulated to address the distinct nutritional requirements of individuals with documented metabolic disturbances associated with Long COVID syndrome that cannot be met through normal diet alone. This specialized formula is manufactured in our NSF GMP Registered facility to ensure the highest quality and purity.*

30 Individual Serving Packets | 30-Day Supply

Metabolic Foundations of Long COVID Recovery

Long COVID syndrome involves complex metabolic disruptions affecting multiple physiological systems. Research has identified specific nutritional requirements for individuals experiencing persistent metabolic disturbances following SARS-CoV-2 infection that cannot be adequately addressed through normal diet alone.

Key metabolic pathways requiring support include:

- **Mitochondrial energy production** compromised by viral-induced cellular damage and oxidative stress
- **Inflammatory resolution pathways** disrupted by persistent immune activation and cytokine dysregulation
- **Neurotransmitter synthesis** affected by neuroinflammation and microglial activation
- **Endothelial function** impaired by ongoing vascular inflammation and coagulation abnormalities
- **Antioxidant defense systems** depleted by chronic oxidative burden and cellular repair demands

MetaRestore™ provides targeted nutritional compounds that support these essential metabolic pathways in individuals with documented Long COVID-related metabolic disturbances.*

Key Nutritional Components

MetaRestore™ contains a precise combination of nutritional compounds:

- **Nicotinamide Riboside** (300mg): NAD+ precursor essential for mitochondrial energy production and cellular repair processes compromised in Long COVID.
- **Coenzyme Q10** (200mg): Critical for mitochondrial electron transport chain function and cellular energy production frequently depleted in post-viral fatigue.
- **PQQ (Pyrroloquinoline Quinone)** (20mg): Supports mitochondrial biogenesis and neuroprotection against viral-induced neuroinflammation.
- **Acetyl-L-Carnitine** (1000mg): Facilitates fatty acid oxidation for energy production and supports neurological function affected by Long COVID.
- **Alpha-Lipoic Acid** (600mg): Universal antioxidant supporting cellular detoxification and mitochondrial function while modulating inflammatory responses.
- **Curcumin Complex** (500mg standardized): Potent anti-inflammatory compound targeting NF-κB pathways dysregulated in Long COVID syndrome.
- **Quercetin Phytosome** (250mg): Flavonoid with anti-inflammatory and antiviral properties supporting immune system modulation and vascular function.
- **Omega-3 EPA/DHA** (1000mg): Essential fatty acids supporting resolution of inflammation and neurological function compromised in Long COVID.
- **Methylated B-Complex**: Including methylfolate (1mg), methylcobalamin (1000mcg), and pyridoxal-5-phosphate (50mg) supporting energy metabolism and neurological function.
- **Magnesium Glycinate** (400mg): Highly bioavailable form supporting neurological function, energy metabolism, and muscle function affected by Long COVID.
- **Vitamin D3** (4000 IU): Essential for immune system regulation and anti-inflammatory responses dysregulated in post-viral syndrome.

- **Zinc Bisglycinate** (30mg): Critical for immune function, protein synthesis, and wound healing processes impaired in Long COVID recovery.
- **N-Acetyl Cysteine** (600mg): Precursor for glutathione production supporting cellular detoxification and respiratory function.

Each ingredient is pharmaceutical-grade and tested for purity and potency by independent third-party laboratories.*

Indications for Use

MetaRestore™ is specifically formulated for the dietary management of individuals with documented metabolic disturbances associated with Long COVID syndrome that cannot be adequately addressed through normal diet alone, including:

- Mitochondrial dysfunction manifesting as persistent fatigue and exercise intolerance
- Chronic low-grade inflammation with elevated inflammatory biomarkers
- Neurocognitive symptoms associated with neuroinflammation and oxidative stress
- Compromised antioxidant capacity with evidence of ongoing cellular damage
- Metabolic disruptions affecting energy production and cellular repair processes

As defined by FDA regulations (21 CFR 101.9(j)(8)), this medical food must be used under physician supervision and is not intended for general nutritional use.

Physician-Directed Protocol

MetaRestore™ is available exclusively through healthcare practitioners and must be used under medical supervision:

1. **Physician Evaluation**: Required prior to initiating use, including assessment of Long COVID diagnosis and metabolic disturbances
2. **Diagnostic Confirmation**: Based on objective biomarker testing demonstrating metabolic dysfunction associated with post-viral syndrome
3. **Personalized Dosing**: One packet daily mixed with 8-10 oz of water, preferably with food
4. **Consistent Use**: Typically 3-6 months based on metabolic recovery markers and symptom resolution
5. **Medical Monitoring**: Regular follow-up with your healthcare provider including periodic biomarker assessment
6. **Healthcare Supervision**: A requirement for all medical foods as mandated by FDA regulations

MetaRestore™ is a medical food intended for the dietary management of metabolic disturbances associated with Long COVID syndrome that cannot be addressed through normal diet alone. As required by FDA regulations, this product must be used under physician supervision and is not intended for general use as a nutritional supplement.

This formulation addresses the complex metabolic disruptions characteristic of Long COVID while maintaining strict adherence to medical food regulations and corporate website standards appropriate for healthcare professionals and patients seeking evidence-based nutritional interventions.