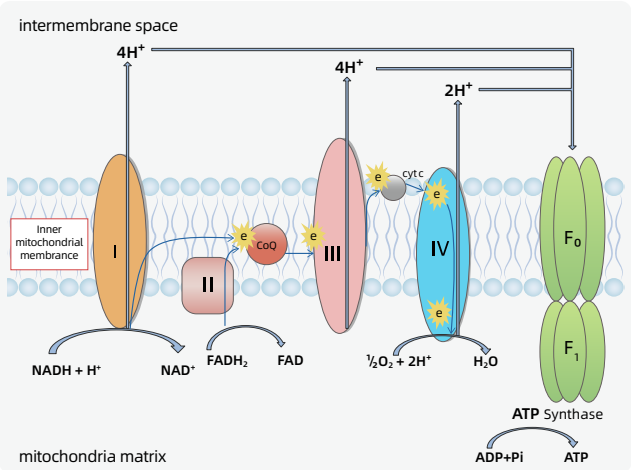
COENZYME Q10

INTRODUCTION

- Coenzyme Q10, often abbreviated as CoQ10, is a vital compound naturally present in the cells of the human body. It plays a crucial role in cellular energy production and serves as a powerful antioxidant.
- The main biochemical role of Coenzyme Q10 is to participate in a series of REDOX reactions of adenosine triphosphate (ATP) synthesis as a cofactor in the electron transport chain. Since most cell functions depend on an adequate supply of ATP so that it plays an important role in all tissues and organs of the body. Meanwhile, Coenzyme Q10 is one of the most important lipid antioxidants, preventing the production of free radicals, as well as changes in proteins,lipids and DNA.

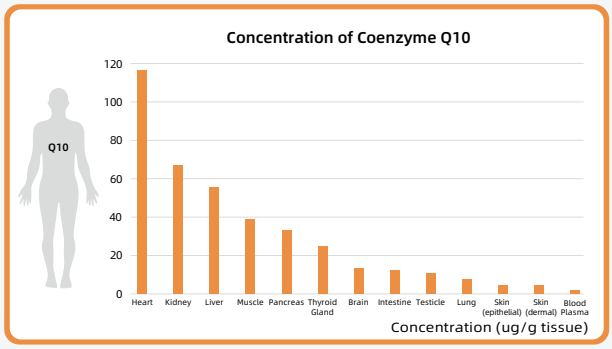
CoenzymeQ10 is Involved in Energy Conversion Between Cells



Product Highlights

- Energy Production Support
- Natural Sourcing
- Immune System Support
- Powerful Antioxidant Defense
- Cardiovascular Health Maintenance

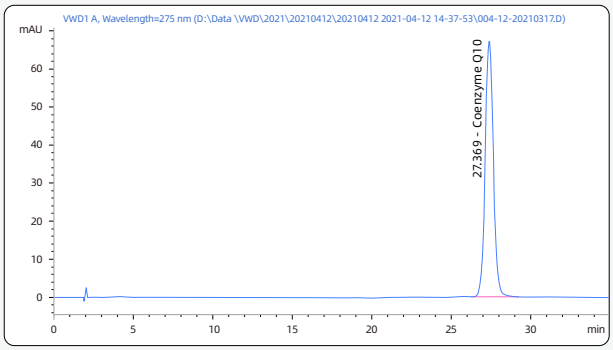
Coenzyme Q10 Content in Different Parts of The Body



Why Choose Our Coenzyme Q10 Supplement?

- High-Purity Extraction
- Naturally Healthy
- Scientific Formulation
- Customer-Centric Service

INGIA CoQ10 Testing Map



SPECIFICATION

Technical Data Sheet

Product Name: Coenzyme Q10	**CAS No.:** 303-98-0
Brand Name: Ingvia®	**Country of Original:** China
Item: Coenzyme Q10 98%-101%	**Version:** A/0
Product Code: 1701	**Issued On:** December 22,2023

DETERMINATION	SPECIFICATION	METHOD
IDENTIFICATION		
Appearance	Yellow to orange powder	Visual
Solubility	Soluble in ether, trichloromethane and acetone; very slightly soluble in dehydrated alcohol; practically insoluble in water	Visual
IR	Sample spectrum consistent with the spectrum for	USP<197K>
Color reaction	A blue color appears	USP42<5260>
ASSAY		
Purity (wt/wt% on dry basis)	98.0~101.0%	USP<621>
Coenzymes Q7, Q8, Q9, Q11 and related impurities	≤1.0%	USP<621>
Isomer and related impurities	≤1.0%	USP<621>
Total impurities	≤1.5%	USP<621>
TESTS		
Water	≤0.20%	USP<921>IC
Residue on	≤0.10%	USP<281>
Mesh Size	≥90% through 80 mesh	USP<786>
Tapped Density	0.40g/mL~0.60g/mL	USP<616>I
Melting point	48℃-52℃	USP<741>
Total Heavy Metals	≤10mg/kg	USP<231> II
Lead (Pb)	≤0.5mg/kg	USP<2232>
Mercury (Hg)	≤0.1mg/kg	USP<2232>
Cadmium (Cd)	≤0.5mg/kg	USP<2232>
Arsenic (As)	≤1.0mg/kg	USP<2232>
RESIDUAL SOLVENT		
Methanol	≤3000mg/kg	USP<467>
n-Hexane	≤290mg/kg	USP<467>
Ethanol	≤5000mg/kg	USP<467>
Isopropyl ether	≤300mg/kg	USP<467>
MICROBIOLOGICAL		
Total Plate Count	≤1000cfu/g	USP<2021>
Yeast & Mold	≤50cfu/g	USP<2021>
E. Coli (/10g)	Negative	USP<2022>
Staphylococcus Aureus (/25g)us	Negative	USP<2022>
Salmonella (/25g)	Negative	USP<2022>

Labeling
Coenzyme Q10

Allergens
Ingvia® does not contain any commonly known sources of allergenic responses. Labeling is not required under the FDA Food Allergen Labeling and Consumer Protection Act of 2004.

Genetically Modified Organisms
Ingvia® is not produced from ingredients or processing aids derived by genetic modification.

BSE
No animal derived ingredients are used in the production of Ingvia®.
There are no animal derived ingredients used in the facility where Ingvia® is produced.

FDA Registration
Ingia's FDA Food Facility Registration Number: 19765307806.

Packaging
The product is packaged in a Low-density polyethylene bag (food grade).
The inner bag is stored in aluminum can with cardboard carton outside, 5kg per tin and 2*5kg per carton, or the inner bag is contained in cardboard drum, 25kg per drum.

Storage condition
Store at place with temperature≤25℃.
Away from strong light and heat.

Shelf life
3 years when properly stored.

INGIA
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