



# Matrix BioLabs

Peptides

## NAD+ 500mg

### Overview

NAD<sup>+</sup> (Nicotinamide Adenine Dinucleotide) is a vital coenzyme found in every living cell. It plays a critical role in cellular energy production (ATP), mitochondrial function, DNA repair, and cellular signaling. It is widely researched for its potential in anti-aging, metabolic health, and overall cellular vitality, as NAD<sup>+</sup> levels naturally decline with age.

### Benefits

Key benefits include boosted energy levels and reduced fatigue, improved mitochondrial function, enhanced metabolic health and insulin sensitivity, support for cognitive function and neuroprotection, and accelerated cellular repair and recovery. It is popular in longevity and regenerative research for combating age-related decline.

### Dosage

50–100 mg per injection via subcutaneous administration, typically 2–3 times per week. Many protocols start at 50–100 mg and titrate based on tolerance.

### Reconstitution

Add 3ml of BAC water. This yields approximately 166.7 mg/ml concentration.

- 50 mg dose ≈ 30 units on a U-100 insulin syringe
  - 100 mg dose ≈ 60 units on a U-100 insulin syringe
- Store the reconstituted solution in the refrigerator and follow standard stability guidelines.