

CLINICAL REFERENCE DOCUMENT | FOR LICENSED HEALTHCARE PROVIDERS | NOT FOR PATIENT DISTRIBUTION

### Product Overview

<b>Product:</b>	Nicotinamide Adenine Dinucleotide (NAD+)
<b>Strength:</b>	500 mg per vial
<b>Form:</b>	Lyophilized (freeze-dried) sterile powder
<b>Vial Size:</b>	10 mL glass vial with flip-off cap
<b>Purity:</b>	≥99% (verified by third-party HPLC analysis)
<b>Storage:</b>	2–8°C   Protect from light
<b>Documentation:</b>	Certificate of Analysis (COA) provided per batch



### Reconstitution Instructions

Reconstitute using Bacteriostatic Water for Injection (BWFI). Maintain aseptic technique throughout.

#### Option 1: Standard Dilution

Add 10 mL BWFI → 50 mg/mL

Volume Drawn	NAD+ Dose
1 mL	50 mg
2 mL	100 mg
5 mL	250 mg
10 mL	500 mg

#### Option 2: Concentrated

Add 5 mL BWFI → 100 mg/mL

Volume Drawn	NAD+ Dose
0.5 mL	50 mg
1 mL	100 mg
2.5 mL	250 mg
5 mL	500 mg

### Suggested Clinical Dosing Protocol

**Rx**

Common protocol: 100 mg subcutaneous injection twice weekly  
**Total weekly dose: 200 mg per week**

### Administration Steps

- 1 Clean the injection site with an alcohol swab
- 2 Draw prescribed dose using a sterile syringe
- 3 Pinch skin at injection site (abdomen or thigh preferred)
- 4 Insert needle at 45–90° angle
- 5 Inject slowly: 20–30 seconds per mL to reduce discomfort
- 6 Withdraw needle, apply gentle pressure with gauze

## What to Expect After Administration

### Common Injection Site Reactions

- Mild burning or stinging during injection due to mildly acidic pH of solution
- Temporary redness, warmth, or swelling at the injection site
- Mild firmness at injection site (typically resolves within 1–2 hours)

### Reported Patient Outcomes

- Improved mental clarity and focus
  - Enhanced daytime energy levels
  - Better overall sense of wellbeing
- Effects may accumulate with consistent dosing over 2–4 weeks

*Individual results may vary. Not a guarantee of outcomes.*

## Storage & Handling Requirements



**2–8°C**

Refrigerate immediately after reconstitution



**Protect**

Store in original packaging away from light



**Clinic Protocol**

Follow facility BUD policy for beyond-use dating

### Important Clinical Notes

- Inspect reconstituted solution for particulate matter prior to each administration
- Solution should be clear and colorless — discard if discoloration or particles observed
- Use a new sterile syringe and needle for each injection
- Rotate injection sites to minimize local tissue reactions
- Document lot number and expiration for batch traceability

## Pre-Administration Checklist

- Verify patient identity and prescribed dose
- Confirm vial lot number matches COA documentation
- Check expiration / beyond-use date
- Verify solution clarity (no particulates or discoloration)
- Confirm injection site is clean and free of irritation
- Ensure patient consent and documentation are current

### Questions? Contact Velara Quality Assurance

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