

Reconstitution Solution 10ml w/ 0.9% Benzyl Alcohol Technical Data Specification Sheet

OPTIMAL BIO LABS — LABORATORY SOLVENT SPECIFICATION STANDARD

Verified Operational Reference Standard

CORE DATA SPECIFICATIONS

PARAMETER	SPECIFICATION
Chemical Profile	Specialized laboratory dispersion liquid
Composition	99.1% Aqueous Media / 0.9% Benzyl Alcohol (C7H8O)
Form & Appearance	Clear, completely colorless liquid
pH Target Range	4.5 – 6.5
Application Target	Extended workflow preservation and fluid sample dispersion

STORAGE & HANDLING

Retain inside the original sealed container. Store in a cool, dry laboratory environment away from direct light exposure.

MATERIAL RESTRICTION

For laboratory research and analytical evaluation only. Materials are strictly restricted from human, clinical, or diagnostic use.

Quality Assurance Protocol & Sourcing Transparency

1. Specification Baseline & Quality Threshold

Optimal Bio Labs operates under a standardized Quality Assurance Program. Every synthesized lot is managed against a 99%+ batch target, with a strict baseline purity threshold set at 98.0%. For product variations where a pre-linked independent analysis is unavailable, our internal quality validation framework remains fully active to ensure structural and analytical compliance before inventory release.

2. Sourcing Transparency & Verification Channels

We maintain direct, long-term relationships with a highly selective network of primary synthesis manufacturers. To protect proprietary trade channels and supply logistics, we do not utilize third-party brokers or downstream distributors.

Analytical data and reference documentation are compiled using multi-layered validation sources, which may include direct facility mapping, industry-standard third-party auditing via Fennrick, or independent validation by domestic testing laboratories. Where external reports are generated, they are often routed through the primary source (c/o Optimal Bio Labs) to ensure unaltered documentation for that specific batch variation. Qualifying independent records can be cross-referenced directly through the testing facility's verification systems.

3. Specification Discrepancy & Account Adjustments

We stand behind our strict quality baseline. In the event that a sealed, unopened reference unit from a qualifying lot is submitted to Fennrick for independent verification and returns an objective analytical purity reading below our 98.0% baseline threshold, the following standardized adjustment protocols apply:

- **Material Valuation Credit:** A balance reallocation will be applied to the account covering the baseline cost of the verified lot variation.
- **Logistical Cost Offset:** Account adjustments include credit allocations for standard logistics costs associated with the independent verification process and sample delivery, subject to our published terms and conditions.

Authenticity Through Verifiable Analysis.