

# 10X OLA buffer

## Contents

500 mM Tris-HCl (pH 8.5)  
500 mM KCl  
75 mM MgCl<sub>2</sub>  
10 mM β-NAD [= beta-nicotinamide adenine dinucleotide; MW = 663.4g]

## For 50 ml

25 ml 1M Tris-HCl (pH 8.5)  
12.5 ml 2M KCl  
12.5 ml 300 mM MgCl<sub>2</sub>  
0.3317 g β-NAD  
→ sterile-filter (0.45 μm syringe filter)  
→ dispense into 1.7 ml tubes and store at -80°C

β-NAD - MP Biomedicals, Inc: 100319

## NOTES:

### *Making*

Difficult to accurately weigh the appropriate amount of β-NAD.

Instead, directly weigh out < 0.3317 g β-NAD into 50 ml centrifuge tube. Depending on the ACTUAL amount weighed out, add correct volumes of the three solutions to tube

### *Storage*

Since 10X OLA buffer contains β-NAD it should be kept frozen at all times. For long-term storage, the stock tubes should be kept at -80°C.