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78658 Lipoprotein Refolding Buffer (Refolding Buffer for Lipoproteins)

A buffer specially formulated for the refolding of denatured lipoproteins. Lipoprotein samples are often denaturated after dialysis, lyophilising and refrigerating. This Lipoprotein Refolding Buffer is found to provide the best conditions for the renaturation of all types of lipoproteins.
All substances used in the buffer are highly purified, mostly Fluka BioChemika Ultra, and ultra pure water. BioChemika Ultra chemicals have been used successfully for different refolding methods and other applications that are highly sensitive to impurities. The solution is filtered using 0.22 micron filters and is also available in bulk quantities on request.

Composition:

Ingredients	concentration
NaCl	150 mM
Tris-Cl	30 mM
EDTA	1 mM
DTE	1 mM
ε-Aminocaproic acid	1.3 g/l
PMSF	200 mM
Sodium azide	0.5 g/l

pH 7.4 +/- 0.2 at 25°C
RNAses, DNAses, Phosphatases and Proteases - none detected

Directions:
It is highly recommended to degas the buffer before every usage (even though the buffer was set under argon at Fluka) to avoid oxidation of the lipoproteins.
Rehydrate the lyophilised lipoprotein for example (Fluka 73461 or 80917) at the desired concentration, or add at least one part of buffer to one part of liquid lipoprotein sample. Aerate with argon to protect the lipoproteins against oxidation, mix gently using a pipette, avoid bubbles. Aerate again with argon and incubate the sample for 5-10 minutes.
There should not be any precipitate or the sample is still denatured or oxidised. If a precipitate is present, wait an additional 10 minutes or/and add more buffer.
The lipoprotein in the Refolding Buffer is stable for 1-2 days under argon and below 4°C.