

# PREPARATION OF TRIS SOLUTION

Tris or Tris(hydroxymethyl)aminomethane is commonly used as a buffering agent in semen extenders to maintain the optimal pH of semen and acts as an anticoagulant.

Ingredients	Adapted	Fougner, 1983	Evans & Maxwell, 1987
TRIS (g)	24.2	3.319	3.63
Citric acid (g)	13.4	1.821	1.99
Fructose (g)	10.0		0.5
Glucose (g)	-		
Dextrose	-	1	
Strepto (g)	1.0	0.05	0.1
Penicilin (IU)	1000000	50000	
Pen G, Na salt (g)	-		0.06
2x Distilled water (mL)	1000	100	100

## Preparation:

These ingredients are dissolved in distilled water to make the total volume of 1L or 100mL accordingly. The pH of this solution should be set at 7.