Experimental Design Summary

Table 1 summarizes the extender preparation components and the two-phase experimental design used to evaluate the effect of different thyroxine concentrations on buffalo sperm quality and fertility.

Table S1. Extender Preparation Components

Component	Quantity (per 100 mL)	
Tris	3.028 g	
Citric acid	1.675 g	
Fructose	1.25 g	
Glycerol	6.0 mL	
Egg yolk	20 mL	
Penicillin	100 IU/mL	
Streptomycin	100 μg/mL	

Table S2. Experimental Design – Thyroxine Concentrations

Dhaga	Croun	Thymoxina Concentration
Phase	Group	Thyroxine Concentration
		(μg/dL)
Primary	T0 (Control)	0
Primary	T0.1	0.1
Primary	T0.3	0.3
Primary	T0.9	0.9
Primary	T2.7	2.7
Primary	T8.1	8.1
Main	T0 (Control)	0
Main	T0.25	0.25
Main	T0.5	0.5
Main	T0.75	0.75
Main	T1	1