

RINGER'S SOLUTION FOR POULTRY SEMEN

Ringer's solution is commonly used as a diluent for poultry semen. It is mixed with poultry semen to make an extender that can be used to fertilize a larger number of eggs.

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Table 1. Composition of Ringer's solution (commonly used)

Ingredients	Quantity (g)
Sodium chloride (NaCl)	9.00
Potassium chloride(KCl)	0.25
Calcium chloride (CaCl ₂)	0.30
Sodium bicarbonate (NaHCO ₃)	0.20

Dissolved the ingredient in distilled water to make the total volume of 1 L. The pH of this solution should be 7>

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Table 2. Modified Ringer's solution.

Ingredients	Quantity (g)
Sodium chloride (NaCl)	68.00
Potassium chloride(KCl)	17.33
Calcium chloride (CaCl ₂)	6.42
Sodium bicarbonate (NaHCO ₃)	24.50
Magnesium sulphate	2.5
Distilled water (L)	10L