



INTERNATIONAL CANINE SEMEN BANK - OREGON  
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## **ICSB Acidic pH Buffer**

### **For Adjusting Alkalinity in Canine Semen Collections**

In cases where alkalinity is noted of the canine ejaculate, the ICSB Acidic pH Buffer can protect the sperm cells from the effects of alkalinity. Semen can be adversely affected in alkaline ejaculates, resulting in decreased motility and speed, even to the point of no movement. ICSB Acidic pH-Adjusting Buffer helps to buffer the alkaline pH level greater than 6.8 to the optimal pH range of 6.4-6.8 so that the sperm can reach and fertilize the eggs!

ICSB recommends this buffer for use in all alkaline ejaculates, whether it will be fresh-collected or fresh-chilled. Keep the buffer frozen until just prior to use. When needed, thaw the buffer at room to body temperature (70-100°F). It is best to add small increments of the buffer, testing the pH throughout with the included pH strips, until the optimal pH level is achieved.

Please contact ICSB if you have any questions or concerns!



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