1. **Principle**

PHIX, Immucor’s phosphate buffer concentrate, is used to buffer saline used in Capture or hemagglutination antibody detection assays. PBS is the only system liquid utilized by the Echo. It is used for red cell suspensions, strip washes, probe washes etc...

1. **Scope and Related Policies- N/A**
2. **Specimen- N/A**
3. **Material**

Equipment: Immucor Galileo Echo

Supplies: PBS container

Graduated cylinder

PH paper

Reagents: PHIX

Unbuffered Saline

1. **Quality Control- N/A**
2. **Procedure**
   1. Add 200ml of PHIX reagent to 20L of unbuffered Saline.
   2. Mix.
   3. Test PH using PH paper strip.
   4. PH should be between 6.9 and 7.2.
   5. If PH is within 6.9 and 7.2, label box with date and tested PH.
   6. Initial Box.
3. **Procedural Notes**
   1. If the pH is lower than 6.5 or higher than 7.5, do not use the buffered saline.
   2. The expiration date of the buffered saline is 31 days from the date of preparation or the date of expiration assigned by the saline manufacturer, whichever is shortest. Indicate on the outside of the saline container that the contents have been buffered. Write the pH and the expiration date onto the saline container. Do not use after this date.