I. Reference:

II. Reagents:
   A. 6.3682 N HCl
      1. 52.63% HCl (v/v)
   B. Color Reagent
      1. Add 0.5 g Phloroglucinol (C₆H₆O₃)
      2. q.s. to 100 mL with glacial acetic acid (C₂H₄O₂)
   C. 0.2% Benzoic Acid (C₇H₆O₂)
      1. Add 2.0 g Benzoic Acid to 1L volumetric
      2. q.s. to 1L with dH₂O
      3. Heat and stir on stir plate

   NOTE: Handle chemicals in designated fume hood.

III. Personal Protective Equipment:
   A. Lab coat
   B. Safety glasses/goggles
   C. Latex gloves

IV. Procedure:
   A. Add 0.95 ml 6.3682 N HCl to test tube.
   B. Add 50 µl deproteinized blood (H₂O or blood w/o xylose (C₅H₁₀O₅))
   C. Vortex thoroughly
   D. Add 5 ml color reagent and mix
   E. Place in boiling water bath for exactly 5 min
   F. Cool rapidly
   G. Read and record absorbance at 554 nm

V. Standards:
   A. Stock standard
      1. Add .5 g Xylose to a 100mL volumetric
      2. q.s. to 100 mL with .2% Benzoic Acid

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<th>Mg/dL</th>
<th>ML stock/100 mL .2% Benzoic Acid</th>
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