Elevated zinc protoporphyrin (ZPP) levels are useful as an early indicator of iron deficiency. The ProtoFluor Z instrument is easy to use. The operator simply inserts the sample holder containing the sample into the instrument, then presses the measure button. The ZPP value is displayed on the LED and can be reported in \( \mu \text{mol ZPP/mol Heme} \) (ratio of ZPP to heme), in \( \mu \text{g/dL whole blood at a 35\% hematocrit} \) or \( \mu \text{g/dL whole blood at a 42\% hematocrit} \).

The ProtoFluor method is inexpensive, requires only one drop of whole blood, and takes only seconds to perform, making it an ideal screening test.

ProtoFluor Z is a hematofluorometer dedicated to the measurement of zinc protoporphyrin in whole blood.

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By changing the position of the mode switch on the back of the instrument, ProtoFluor Z can report in:
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ProtoFluor Z Specifications
Units of Measurement: µmol ZPP/mole Heme (ratio of ZPP to Heme in the red blood cell) or µg ZPP/dL Whole Blood (concentration)
Measurement Range: 0 to 600 µmol ZPP/mol Heme, 0 to 270 µg/dL
Input Power: 110V, 50/60 Hz; 220V, 50/60 Hz
Dimensions: 7½” H x 11½” W x 11¼” D
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ProtoFluor Z Accessories and Services
Cat. No. Item
2007 ProtoFluor Sample Holder
1142 Extended Warranty for PFZ
1147 Comprehensive Replacement Agreement for PFZ
9147 Service Manual for ProtoFluor Z

ProtoFluor Reagents
The ProtoFluor Reagent is designed to stabilize hemoglobin so that it has the same spectral characteristics as fully oxygenated hemoglobin. ProtoFluor Calibrators are stable solutions of zinc protoporphyrin and heme used in calibration. Calibration requires only a few seconds and adjustments in calibrations are accomplished by simultaneously pressing two control buttons on the front panel of the instrument. Coverslips are specifically manufactured and processed from low fluorescing glass.

ProtoFluor Reagent KIt
Cat. No. Item
2000 ProtoFluor Reagent Kit
2 x 15 mL ProtoFluor Reagent
2 x 125 ProtoFluor Coverslips
1 x 2.5 mL ProtoFluor Calibrator-Low
1 x 2.5 mL ProtoFluor Calibrator-High
2002 ProtoFluor Reagent, 2 x 15 mL
2010 ProtoFluor Calibrator-Low, 5 x 2.5 mL
2011 ProtoFluor Calibrator-High, 5 x 2.5 mL
2001 ProtoFluor Coverslips, 10 x 125

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