

Instrument Performance Check (IPC) Standard Instruction Sheet

For use with Signet 4150 Turbidimeter

English



3-4150.094 Rev. A 02/10 English

This standard is intended to be used as an instrument performance check standard with the Signet 4150 Turbidimeter. The IPC standard is sometimes referred to as a secondary check standard. This kit provides the necessary supplies for one year of instrument performance checks, including 125 ml of liquid standard and two (2) new cuvettes. The cuvettes may be washed and reused using a mild general laboratory detergent such as Alconox and a soft brush or towel.

Note: To avoid scratching of the cuvette, DO NOT use a wire brush for cleaning.

Intructions For Use

1. Rinse a clean cuvette with approximately 5 ml* of the standard.
2. Pour approximately 20 ml* of the standard into the rinsed cuvette.
3. Cap the cuvette with the black plastic cap.
4. Clean the outside of the cuvette with the included lint-free wipe.
5. Place the standard into the Signet turbidimeter that has been recently calibrated.
6. Index the cuvette to the lowest point.**
7. Assign the value of the standard on the label affixed to the black plastic cap.
8. This standard is ready to perform Instrument Performance Checks for three months
9. If the Instrument Performance Check Standard measures greater than $\pm 10\%$ of the assigned value, re-calibrate the turbidimeter.
10. After three months, discard used aqueous standard and repeat steps 1–9 using a clean cuvette.

*The standard is provided in a 125 ml plastic bottle that includes an approximate measuring scale.

**Complete instructions on indexing are located within the instrument manual.



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