

Calibration Solutions (PTSA, Fluorescein, pH, Conductivity)

INTRODUCTION

Taylor is excited to offer calibration solutions for your meter of choice! Adequately calibrated equipment is essential to proper water treatment and the success of your customers' systems.

All meters must be periodically calibrated to ensure accurate field measurements. Deposits left on probes from old samples, regular wear and tear, and other factors can contribute to variations in measurement, so it's important that these meters receive routine attention. Additionally, those using inline probes need to have the probes cleaned and recalibrated.

Maintaining a regular schedule of calibration will help track measurement variations and indicate when adjustments need to be made. A 15% variation from an uncalibrated meter could mean the difference between a system with 100 ppm inhibitor and 85 ppm! The impor-

tance of this preventative maintenance is often proportional to the value of the system(s) the water is protecting. For under-treated systems, the costs associated with poor maintenance are not just limited to the expense of repairing or replacing equipment, but also the potential loss in production rates and manpower. For over-treated systems, the costs could be from reduced profitability on contracts. Both of these circumstances can potentially result in customer dissatisfaction and loss of business.

We offer a variety of standards for meters that test PTSA, Fluorescein, pH, and Conductivity. We apply strict quality control processes to the production of our calibration solutions to ensure precision and accuracy. You trust our reagents to provide accurate and reliable results, and now you can calibrate your instruments with that same confidence.



PTSA AND FLUORESCIN STANDARDS

Standards are made of pure dye and analyzed by UV/VIS-Spectroscopy and with a fluorometer. They are stored in amber Nalgene HDPE bottles to protect them from light.

Tracer	100 ppb	250 ppb	400 ppb
PTSA (16 oz.)	R-0991-100-E	N/A	R-0991-400-E
Fluorescein (16 oz.)	R-0990-100-E	R-0990-250-E	R-0990-400-E



pH STANDARDS

Standards are prepared with high-purity water and American Chemical Society-grade chemicals using proven formulations. These solutions are standardized at 25°C against the National Institute of Standards and Technology (NIST) Standard Reference Materials to ±0.01 pH units.

pH	2.0	4.0	7.0	9.0	10.0
2 oz. (C)	N/A	R-1099-04-C	R-1099-07-C	N/A	R-1099-10-C
4 oz. (D)	N/A	N/A	R-1099-07-D	N/A	R-1099-10-D
16 oz. (E)	R-1099-02-E	R-1099-04-E	R-1099-07-E	R-1099-09-E	R-1099-10-E
32 oz. (F)	N/A	R-1099-04-F	R-1099-07-F	N/A	R-1099-10-F
Gallon (G)	N/A	R-1099-04-G	R-1099-07-G	N/A	R-1099-10-G

CONDUCTIVITY STANDARDS

We use Class A glassware when performing measurements and dilutions to ensure our standards are as accurate as possible.

Conductivity	50 μ S	500 μ S	1000 μ S	2500 μ S	3900 μ S	5000 μ S
2 oz. (C)	N/A	N/A	N/A	R-0868-25C-C	R-0868-39C-C	N/A
16 oz. (E)	N/A	R-0868-5C-E	R-0868-1K-E	R-0868-25C-E	N/A	N/A
32 oz. (F)	R-0868-50-F	R-0868-5C-F	R-0868-1K-F	R-0868-25C-F	R-0868-39C-F	R-0868-5K-F
Gallon (G)	N/A	N/A	R-0868-1K-G	R-0868-25C-G	N/A	N/A

ALSO AVAILABLE

- **Myron L meters:** M-6530, M-6540, M-6542, M-6555, M-6556, M-6557, and M-6560.
- **pH Soaker Solution** to prolong the useful life of electrodes. When not in use, keep sensors hydrated with this soaker solution (R-0834), which is pH buffer 4.0 without dye to prevent fouling. Available in 2 oz. and 16 oz. sizes.
- **Conductivity Neutralizing Solution** (R-7022), to neutralize alkalinity that interferes with conductivity readings, in 2 oz., 16 oz., and gallon sizes.
- **Deminerlizer Bottle** (R-0804-DD) for making your own demineralized water on-site.
- Manual colorimetric and titrimetric tests for many commercial and industrial applications, including boilers and cooling systems, as well as replacement parts, labware, and carrying cases in several sizes.
- **TTi® Colorimeter Series** (M-2000 for pool/spa analysts, M-3000 for industrial water treaters).
- Toll-free technical assistance at **800-TEST KIT**.

