
SCITECK® Diagnostics

The Leader in New Technology Development

SAM - SET™ CAL SERIES

*Calibrators Designed to Meet the CAP and
SAMHSA Guidelines for Validity testing*

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Intended Use

SAM-SET™ Calibrators are for use in specimen validity tests for pH, Creatinine, Oxidants (to include Chromate, Nitrite, Halogens (Bleach), Peroxidase), Refractometer (specific gravity) and Automated Specific Gravity methods as required in the proposed SAMHSA and CAP guidelines for specimen validity testing (SVT) on human urine on automated clinical chemistry analyzers (e.g. adulteration testing). Sam-SET™ Series are not for use in diagnosing disease or illness to effect treatment, and/or cure. They are for Forensic / Toxicology use only.

Calibrators are sold in sets per constituent and may be used with any reagent lot. pH Calibrators are calibrated against NIST Buffers.

Calibrator Materials and Components

SAM-Set™ Calibrator and Control Series

Usage: SAM-SET™ Calibrators are for use in validity tests for pH, Creatinine, Oxidants (Chromate, Halogen (bleach) Nitrite and Peroxidase) to include the use of a Refractometer (specific gravity) and Automated Specific Gravity methods and pH meter (pH) as required in the proposed SAMHSA and CAP guidelines for testing human urine on automated clinical chemistry analyzers. The SAM-SET™ Calibrator Series are not for use in diagnosing disease or illness to effect treatment, and/or cure. They are for Forensic / Toxicology use only. Calibrators are sold in sets per constituent and may be used with any reagent lot.

Storage and Stability: Store at 2-10° C. The reagent is stable until expiration date on the container.

SAM-SET™ Calibrator Series contain: synthetic urine, preservative and constituents of interest per calibrator set. 99.99% w/w non-reactive ingredients, 0.01% constituents, buffers and preservatives.

Catalog #	Description	Quantity
pH:		
For a cutoff of less than 3:		
A4110	pH Cal 3.0	60 mL
A4111	pH QC 2.45 (range 2.0-2.9)	60 mL
A4112	pH QC 3.55 (range 3.1-4.0)	60 mL
A4110S	pH 3.0 Cutoff set (3.0, 2.45 & 3.55)	3 x 60 mL
110	pH 3.0 & 11.0 Cals	2 x 60 mL
For a cutoff of greater than or equal to 11:		
A4113	pH 11.0 Calibrator	60 mL
A4114	pH QC 10.45 (range 100-10.9)	60 mL
A4115	pH QC 11.55 (range 11.1-12.0)	60 mL
A4113S	pH 11 Cutoff Set (11.0, 10.45 & 11.55)	3 x 60 mL
110	pH 3.0 & 11.0 Cals	2 x 60 mL
A4101	pH 3.0, 11.0, and 12.0 Cal Buffers	3 x 60 mL
111	pH 4.0	1 x 60 mL
203-01/109	pH 5.0 & 8.0	2 x 60 mL
107	pH 4.5 & 9.0	2 x 60 mL
112	pH 10.0	1 x 60 mL

Catalog #	Description	Quantity
Creatinine:		
214-01	Zero Cal	60 mL
A41036	Creatinine Calibrator 2.0 mg/dL	60 mL
A41035	Creatinine Calibrator 5.0 mg/dL	60 mL
132-01	Creatinine Calibrator 20.0 mg/dL	60 mL
136-06	Creatinine Calibrator 100.0 mg/dL	60 mL
137-01	Creatinine Calibrator 400.0 mg/dL	60 mL
A4103-7	Creatinine QC 7.0 (range 6-8 mg/dL)	60 mL
A4300	SVT™ Level I QC (creatinine range 21-25 mg/dL)	60 mL
A4400	SVT™ Level II QC (creatinine range 5-20 mg/dL)	60 mL
A4200	SVT™ Level III QC (creatinine range 2-4 mg/dL)	60 mL
132-S	Creatinine Cal Cutoff Set Zero & 20.0 mg/dL Cal	2 x 60 mL
A4103	Creatinine Cals 3, 5, 7, 12 & 23 mg/cL	5 x 60 mL
Specific Gravity:		
For Cutoff of less than 1.002		
A41000	Refractometer Cal 1.0000	60 mL
A4700	Refractometer Cal 1.0010	60 mL
A41002	Refractometer Cal 1.0020	60 mL
A4100S	Refractometer Cals 1/0000 & 1.0020	2 x 60 mL
A41041	Refractometer QC 1.0010	60 mL
A41046	Refractometer QC 1.0060 (range 1.002-1.010)	60 mL
A4100S	Refractometer 1.0020 Cutoff Set	4 x 60 mL
For the Cutoff of greater than or equal to 1.0200		
A41000	Refractometer Cal 1.0000	60 mL
A41042	Refractometer Cal 1.0200	60 mL
A4100S	Refractometer 1.0000 & 1.0200	2 x 60 mL
A41044	Refractometer 1.0230 (range 1.0200-1.0250)	60 mL
A41045	Refractometer 1.0170 (range 1.0150-1.0200)	60 mL
A4102S	Refractometer 1.0200 Cutoff Set	4 x 60 mL
Oxidants:		
600-04	Chromate Cal 50.0 mcg/mL	60 mL
600-04S	Chromate Cal Set Zero Cal & 50.0 mcg/mL cal	2 x 60 mL
600-04	Chromate Cal (50.0 mcg/mL)	60 mL
600-01	Chromate Cal (100.0 mcg/mL)	60 mL
600-05	Chromate Cal (200.0 mcg/mL)	60 mL
600-03	Chromate Cal (500.0 mcg/mL)	60 mL
400-01S	Halogen Cal Set, Zero, Pos/Low QC & 1.0% Cal	4 x 60 mL
400-01	Halogen Cal 1.0% (cutoff)	60 mL
400-02	Halogen Positive Control (5.0%)	60 mL
410-02	Halogen Low Control (0.05%)	60 mL
211AD-09S	Nitrite Cal Set Zero & 500 Cal	2 x 60 mL
211AD-100	Nitrite Cal 100 mcg/mL	60 mL
211AD-06	Nitrite Cal 200 mcg/mL	60 mL
211AD-09	Nitrite Cal 500 mcg/mL	60 mL
211AD-07	Nitrite Cal 1000 mcg/mL	60 mL
A4102	Nitrite QC Set 350 and 565 mcg/mL	2 x 60 mL
A4106	Nitrite QC 350 mcg/mL (range 100-500 mcg/mL)	60 mL
A4105	Nitrite QC 565 mcg/mL (range 500-625 mcg/mL)	60 mL
800-01S	Peroxidase Cal Set Zero Cal & Cutoff Cal	2 x 60 mL
800-01	Peroxidase Cutoff Cal	60 mL
214-01	Zero Calibrator	60 mL
A4100	Oxidant Full Set to include all Levels	

PRECAUTIONS and WARNING

- 1) These Calibrators are intended For Forensic / Toxicology Use Only. They may be harmful if swallowed. Handle all urine samples as if potentially infectious.
- 2) Do not pipette by mouth. Avoid contact with skin or eyes. In case of contact, flush affected areas with water. Get immediate medical attention for eyes.
- 3) Exercise the normal precautions required for handling all potentially infectious specimens and laboratory reagents.

Preparation of Calibrators

SAM-SET™ Calibrators are ready for use upon receipt. No preparation is necessary.

Stability, Storage, and Deterioration

Calibrators are stable until expiration date on containers. Store the calibrators at 2 – 10°C and use as instructed. Recap and store the calibrators immediately after use.

Procedure

SAM-SET™ Calibrators are tested according to the directions provided with the instrument and reagents used. Use the calibrators as specified in the appropriate assay package insert or application sheet.

1. Remove the calibrators from the storage device.
2. Gently invert the calibrators several times to ensure complete mixing.
3. Remove the cap.
4. Dispense the desired volume of sample for calibration.
5. Replace the cap and store immediately.

Expected Results

The calibrators must be properly stored and handled before and during testing. Use fresh reagent and calibrators each day. Each laboratory is expected to establish its own quality assurance procedure for that laboratory.

Limitations of Product

SAM-SET™ Calibrators should not be used beyond the expiration date printed on the label. Calibrators that have not been handled or stored as instructed may not perform as expected. To obtain satisfactory results the procedural directions for the instrument and reagents should be followed as stated.

Ordering Information

Customer service (800) 905-4272.
For outside the US call 828-650-0409.
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