
SCITECK® Diagnostics

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SVT™ Quality Control SERIES

*Controls Designed to Meet the
Proposed SAMHSA Guideline for
Validity (SVT) testing*

Product Code(s):

A4200, A4300, A4400, A4500

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Intended Use

SVT™ Controls are for use in validity tests for pH, Creatinine, Nitrite, and Oxidants as required in the proposed SAMHSA guidelines in human urine on automated clinical chemistry analyzers. The SVT™ Control Series are not for use in diagnosing disease or illness to effect treatment, and/or cure. They are for Forensic / Toxicology use only.

The SVT™ Controls are ready to use liquid controls for use on autoanalyzers or dry chemistry methods. SVT™ Controls are sold individually or in sets and may be used with any reagent lot.

Calibrator Materials and Components

SVT™ Control Series contains: synthetic urine, preservative and constituents of interest per control set.

Volume: 125 mL per control.

99.99% w/w non-reactive ingredients, 0.01% constituents, buffers and preservatives.

CONSTITUENTS

SVT™ I Control

Product Code	Assay	Target Range	Ranges
A4300	pH*	2.5	2.1 - 2.9
	pH**	3.3	2.6 - 3.9
	Oxidant (Nitrite)*	0.0 mcg/mL	
	Nitrite*	0.0 mcg/mL	
	Creatinine*	23.0 mg/dL	21.0 - 25.0
	Specific Gravity	1.0300	1.0200 - 1.0400

SVT™ II Control

Product Code	Assay	Target Levels	Ranges
A4400	pH*	7.0	6.0 - 8.0
	pH**	6.7	5.9 - 7.4
	Oxidant (Nitrite)*	350 mcg/mL	200 - 500
	Nitrite*	350 mcg/mL	200 - 500
	Creatinine*	12.5 mg/dL	5.0 - 20.0
	Specific Gravity	1.0120	1.0060 - 1.0180

SVT™ III Control

Product Code	Assay	Target Levels	Ranges
A4200	pH*	11.5	11.1 - 12.0
	pH**	10.0	8.9 - 11.1
	Oxidant (Nitrite)*	565 mcg/mL	500 - 625
	Nitrite*	565 mcg/mL	500 - 625
	Creatinine*	3.0 mg/dL	2.0 - 4.0
	Specific Gravity	1.0040	1.0020 - 1.0060

SVT™ Control Set

Product Code

A4500 Includes Levels I, II, and III Controls

(*) CALIBRATION of SVT™ CONTROLS LEVELS I, II, and III:

pH: Calibrated with 3.0 and 11.0 calibrators or pH meter

Oxidants: Calibrated with 0 and 500 mcg/mL calibrators

Nitrite: Calibrated with 0, 200 and 500 mcg/mL calibrators

Creatinine: Calibrated with 0.0 and 20.0 mg/dL calibrators

Specific Gravity: Calibrated with 1.0050 and 1.0300 calibrators

(**) CALIBRATION of SVT™ CONTROLS LEVELS I, II, and III:

pH: Calibrated with 4.5 and 9.0 calibrators

PRECAUTIONS and WARNING

- 1) These Controls 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

SVT™ Controls are ready for use upon receipt. No preparation is necessary.

Stability, Storage, and Deterioration

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

Procedure

SVT™ Controls are tested according to the directions provided with the instrument and reagents used. Use the controls as specified in the appropriate assay package insert or application sheet.

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

Expected Results

The controls must be properly stored and handled before and during testing. Use fresh reagent/dipsticks, calibrators and controls each day. Each laboratory is expected to establish its own ranges for each analyte of interest and quality assurance procedures for that laboratory.

Limitations of Product

SVT™ Controls should not be used beyond the expiration date printed on the label. Controls 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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