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## **Antifreeze Ethylene Glycol (STAGE-1) BI-LEVEL CONTROLS**

### **See reverse side for Oxalate control testing**

**Lot # 501 Exp DATE: AUG 15, 2020 0 mg/dL NEGATIVE NORMAL CONTROL (GREEN TOP)**  
**Lot # 501 Exp DATE: AUG 15, 2020 50 mg/dL POSITIVE ABNORMAL CONTROL (RED TOP)**

The Kacey Ethylene Glycol Control consists of two ( 2 ) different levels of a special proprietary treated ethylene glycol product suspended in a concentrated synthetic plasma like media reagent.

The values are as follows: **(GREEN TOP)** 0 mg/dL **(RED TOP)** 75 mg/dL

All solutions of ethylene glycol have been prepared to create both a normal 0 mg/dL and the abnormal range associated with EG poisoning. These controls have been specifically designed for use with the Kacey EGT product in order to validate the accuracy of the Kacey Ethylene glycol Stage -1 test. This product has not been validated for any other Ethylene Glycol Test Products.

**Stability & Storage: Store the Ethylene Controls in the Refrigerator at 40°C ---DO NOT FREEZE**

The controls are stable until the expiration date stamped on the label.

#### Procedure

1. Select an EG/OX COMBO TEST STRIP strip from its' container and immediately recap the vial.
2. Place the test strip on a clean surface with the pad facing up.
3. Apply 10 uL of the Negative Control onto the test pad.
4. Wait TEN (10) and compare the color of the test strip pad against a matching color block that is on the color chart on the vial
5. Repeat steps 1-4 for the Oxalate Positive Control.

The following is a proposed procedure for running controls simultaneously with an unknown sample

1. Place the three Combo EGT / OX TEST STRIPS on a clean surfacing with the pads facing up.
2. Place 10 uL sample of the Negative Control on the EG test pad ( Left Side )
3. Place 10 uL sample of the UNKNOWN SPECIMEN on the EG test pad. (Middle test strip)
4. Place 10 ul sample of the 2<sup>nd</sup> EG Control ( 75 mg/dL ) on the Third Strip ( Right Side )
5. Compare the results of the unknown (middle strip) to the other two strips to ascertain the color and value of the unknown sample that is being tested at exactly Ten (10) Minutes after the controls and samples have been added to the test strips.

THE RESULT OF THE CONCENTRATION OF THE COLOR IS MEASURED IN mg/dL

The expected range for each of the controls should match the colors for the specific concentration found on the color chart. When testing unknown samples, colors may fall between two color blocks found on the color chart. A green color might appear to be darker than the 20 mg/dL color block but lighter than the 50 mg/dL color block. This color between these two color blocks could be interpreted to be a 30 or 35 mg/dL value. This estimated value should be considered to be accurate as the test color of the unknown is between to known color blocks.

EXPECTED NORMAL VALUES FOR BOTH DOGS AND CATS SHOULD BE NEGATIVE

**Note: The controls and or sample might appear to have a darker appearance around the perimeter do to what is known as the wicking affect by the liquid sample moving to the outer perimeter of the pad. The center of the pad and most of the pad should be considered the area to read the color against the chart on the bottle and not the edges.**

Reorder # 30406 ( Ethylene Glycol / Oxalate Control )BI-LEVEL CONTROLS