



## Nursing Service Guidelines Endoscopy Department

**Title:** **HIGH LEVEL DISINFECTANT TESTING FOR  
REVITAL-OX RESERT™**

**Responsibility:** Endoscopy Staff (RN, LPN or Endo Tech)

**Purpose of Guidelines:** The purpose is to verify the concentration of hydrogen peroxide, the active ingredient in Revital-Ox RESERT™ High Level Disinfectant, is above the minimum recommended concentration (MRC) of 1.5% needed to properly disinfect semi-critical equipment used in the Endoscopy Department.

**Supplies needed:**

1. Revital-Ox RESERT™ R60 solution test strips
2. Revital-Ox RESERT™ solution
3. Small cup (specimen cup or med cup)
4. Thermometer
5. Timer/clock with second hand

### **Confirming minimum recommended concentration for Revital-Ox RESERT™ Solution**

Frequency: Prior to each use.

Revital-Ox RESERT™ solution is good for 21 days when stored in covered basin, unless it fails MRC or the expiration date on the bottle is earlier. Covered basin will be labelled with date solution is changed, lot number, and 21-day expiration date.

1. Wear appropriate PPE for working with chemicals.
2. Confirm expiration date of Revital-Ox RESERT solution and test strips.
3. Confirm temperature of solution in basin is  $\geq 20^{\circ}\text{C}$  ( $68^{\circ}\text{F}$ ).
4. Remove one test strip and dip it into the basin of solution for 2 seconds. Remove from solution and start 60 second timer. At 60 seconds interpret strip color using the examples for pass/fail on the test strip bottle. Record results in the RESERT log.
5. If the pad is completely blue/purple, the hydrogen peroxide concentration solution is above the MRC (PASS result) and the solution is suitable for use. If pink appears on the indicator pad or pad is not completely blue or purple, the hydrogen peroxide concentration of the solution is below the MRC (FAIL result) and the solution should be discarded.

### **Quality Control of Revital-Ox RESERT™ Solution Test Strips**

Frequency: When lot number changes.

1. Wear appropriate PPE for working with chemicals.
2. Prepare 1 pass and 1 fail test solution using a new bottle of Revital-Ox Resert Solution  
**PASS solution:** Dispense 30ml of Revital-Ox RESERT™ solution into a small cup. Label the container “pass”.

- FAIL solution:** Mix 15 ml of tap water with 15 ml Revital-Ox RESERT™ solution into a small cup. Label the container “fail”.
3. Confirm that each solutions temperature is  $\geq 20^{\circ}\text{C}$  ( $68^{\circ}\text{F}$ ).
  4. Remove 3 strips from the bottle. Dip each strip into the PASS solution for 2 seconds. Remove from the solution and start the timer for 60 seconds. At 60 seconds interpret strip color using the examples for pass/fail on the test strip bottle.
  5. Remove 3 more strips from the bottle. Dip each strip into the FAIL solution for 2 seconds. Remove from the solution and start the timer for 60 seconds. At 60 seconds interpret strip color using the examples for pass/fail on the test strip bottle.
  6. Interpretation:
    - a. Passing test
      - i. All three indicator strips pass the PASS solution
      - ii. All three indicator strips fail the FAIL solution
    - b. Failing test
      - i. One or more test strips fail the PASS solution
      - ii. One or more test strips pass the FAIL solution.
  7. Record results in the RESERT log.
  8. Discard bottle of test strips if failure occurs.

Resource: Revitol-Ox RESERT™ R60 Solution test strips instructions for use.  
[www.steris.com](http://www.steris.com)

Reviewed by: Danielle Crosby, RN, Operations Supervisor Endoscopy

Approved: 8/17

Reviewed: 7/2020

Revised: 7/2020, 6/2023 by Carol Bates, MSN, Ed

Reviewed by Policy & Standard Committee: 10/15, 8/17, 7/2020, 6/2023