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. Small cup (specimen cup or med cup) 3. Thermometer 4. Timer/clock with second hand 5. Paper towels

Confirming minimum recommended concentration for Revital-Ox RESERT™ Solution
Frequency: Prior to each use. Revital-Ox RESERT™ solution is good for 21 days, solution will be labelled with date of first use and expiration date when stored in covered basin.

1. Wear appropriate PPE for working with chemicals.
2. Confirm expiration date of Revital-Ox RESERT solution and test strips. Do not use Revital-Ox RESERT solution beyond expiration regardless of test strip results.
3. Confirm temperature of solution in basin is ≥20°C (68°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 through viewing window 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: Upon receipt of each shipment, test each lot in the shipment.

1. Wear appropriate PPE for working with chemicals.
2. Prepare 1 pass and 1 fail test solution.
   PASS solution: Dispense 30ml of Revital-Ox RESERT™ solution from a newly opened bottle. Label the container.
**FAIL solution:** Mix 15 ml of tap water with 15 ml Revital-Ox RESERT™ solution from a newly opened container. Label the container.

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 through viewing window using the examples for pass/fail on the test strip bottle. Record results in the RESERT log.

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 through viewing window using the examples for pass/fail on the test strip bottle. Record results in the RESERT log.

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. Discard bottle of test strips if failure occurs.

Resource: Revitol-Ox RESERT™ R60 Solution test strips instructions for use, 2015.

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