Quality testing products by Hybrivet Systems, Inc P.O. Box 2425 Natick, MA 01760
Phone: (508)651-7881 Fax: (508)651-8837 **www.LeadCheck.Com**

How To Activate A LeadCheck® Swab

Background

LeadCheck® Swabs are self–contained test units which provide a rapid, easy to use, sensitive and specific test for lead on any surface.

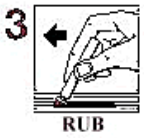
Each LeadCheck® Swab contains two crushable vials (see picture). A lead reactive reagent is stored in one vial. The second vial contains pre-measured "activator' solution to ensure proper conditions for the lead complex to form. When a swab is activated by crushing the vials and mixing the contents and the tip is brought in contact with lead, the pink (red) compound characteristic of lead forms. A confirmation card containing a small quantity of lead is included with the product to prove that the test was performed properly.

Method

To activate LeadCheck® Swabs:

CRUSH - firmly at the two points indicated, first A then B.

SHAKE AND SQUEEZE – Shake the Swab twice and squeeze gently until yellow liquid comes to the tip- the swab is now activated and ready for testing



RUB -- While continuing to squeeze to keep the yellow liquid at the tip, vigorously rub the surface to be tested. <u>If an unmistakable pink color forms on the tip of the swab, or on the surface being tested, lead is present at a hazardous level.</u>

Quality testing products by Hybrivet Systems, Inc P.O. Box 2425 Natick, MA 01760

Phone: (508)651-7881 Fax: (508)651-8837 **www.LeadCheck.Com**

Testing* Paint on Plaster, Cement, or Stucco Surfaces

Background

Plaster has been widely used as the finish surface for interior walls for over 150 years. Composed primarily of calcium sulfate (hemihydrate), plaster may interfere with LeadCheck® color development because some of the lead may bind to the sulfate in the plaster instead of the LeadCheck® reagent. It is possible, however, with a minimum amount of care, to accurately test for lead paint on plaster surfaces using LeadCheck® Swabs.

Method

1. Carefully cut a notch into the paint down to the surface (See Instructions). Try not to break or scratch the plaster surface.
2. Brush or blow away any surface dust collected in the notched area.
3. Activate a LeadCheck® Swab according to the instructions included with the kit.
4. Rub the swab tip into the notched area of the paint for about 30 seconds.
5. Check the swab tip, paint surface and paint edge for a pink to red color development.

OR, if testing a paint chip:

1. Remove a chip of paint, making sure it is free of plaster or other material.
2. Crumble the chip and put it on a lead-free surface such as plastic wrap. Follow steps 3-5 above.

Interpretation

1. If pink or red color develops, lead is present.
2. If no pink color develops, be sure to confirm the negative result by rubbing the swab tip onto a dot on the Test Confirmation Card supplied with the kit. If the confirmation card dot does not immediately turn pink, the test is not valid - surface dust has likely prevented the LeadCheck® color development. Repeat the test using a new LeadCheck® Swab.

NOTE: If a yellow or orange color persists at the notched area or swab tip, this may indicate the presence of barium, which was added to paints as an extender. The yellow/orange result is NOT a positive color change for lead.

*LeadCheck® Swabs are a versatile and sensitive screening tool for the detection of lead on any surface. This applications note provides a suggested method to allow testing for a specific application. Additional information and help are available by calling 800-262-5323 or 508-651-7881.

Applications note: PB-08
Rev Date: 09/08

Quality testing products from Hybrivet Systems, Inc. P.O. Box 2425 Natick, MA 01760
Phone: (508)651-7881 Fax: (508)651-8837 www.LeadCheck.Com

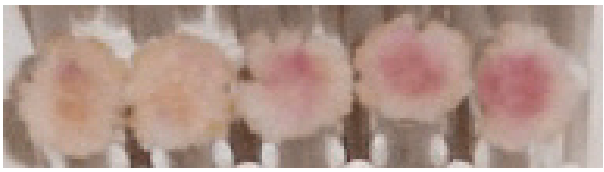
COLOR GUIDE FOR LEADCHECK® SWABS
PAINT

LeadCheck® Swabs detect lead on painted surfaces and on other surfaces based on a reaction between lead and the lead reactive reagent. In this interaction color development increases in proportion to increasing lead concentration. LeadCheck® Swabs is the only qualitative colorimetric lead detection product that offers the user the opportunity to estimate lead concentration on a site. When LeadCheck® Swabs are used, it is possible to suggest lead concentration ranges associated with each series of color gradations.

A series of colors developed at each concentration of lead would produce the following ranges.

HIGH

5.0% ----------→ 10.0%
High Lead Concentration Range
(5.0% to 10.0% lead)



MEDIUM

0.5% ----------→ 3.0%
Medium Lead Concentration Range
(0.5% to 3.0% lead)

LOW

0.0% ----------→ 0.3%
Low Lead Concentration Range
(0.0% to 0.3% lead)

NOTE: O.06% is 600 ppm; 0.1% is 1000 ppm; 0.5% is 5000 ppm, etc.

Lead Check Test Kit Documentation Form

Owner Information

Name of Owner / Occupant: _____

Address: _____

City: _____ State: _____ Zip Code: _____ Contact #: (____)_____

Email: _____

Renovation Information

Fill out all of the following information that is available about the Renovation Site, Firm, and Certified Renovator.

Renovation Address: _____ Unit #: _____

City: _____ State: _____ Zip Code: _____

Certified Firm Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____ Contact #: (____)_____

Email: _____

Certifed Renovator Name: _____ Date Certified: / /

Test Kit Information

Use the following blanks to identify the test kit or test kits used in testing components.

Test Kit #1

Manufacturer: _____ Manufacture Date: _____/_____/_____

Model: _____ Serial #: _____

Expiration Date: _____

Test Kit #2

Manufacturer: _____ Manufacture Date: _____/_____/_____

Model: _____ Serial #: _____

Expiration Date: _____

Test Kit #3

Manufacturer: _____ Manufacture Date: _____/_____/_____

Model: _____ Serial #: _____

Expiration Date: _____

Test Kit Documentation Form

Renovation Address: ____ **Unit #:** __________

City: _____________________ **State:** ____________ **Zip Code:** ________________

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed

Test Location # _____ Test Kit Used: (Circle only one) Test Kit # 1 Test Kit # 2 Test Kit # 3

Description of test location: ____

____

Result: Is lead present? (Circle only one) YES NO Presumed