



veriDART Use Near Sensitive Equipment

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Program: veriDART®

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1. Objective

- a. To outline the procedure for to ensure sensitive equipment is not contaminated by Tag emissions during testing.

2. Materials

- a. Tag solutions and Equipment Kits
- b. 1-2 mil Polyethylene film “drop cloths”
- c. Masking Tape
- d. 70% IPA Wipes
- e. Safety Hazards Signs
- f. Camera

3. Pre-Test

a. Communication

- i. Communicate to onsite Management.
 1. The procedure to protect sensitive equipment that are in or near the test locations.
 2. Identify all sensitive equipment that needs to be covered and not in use during testing. Create a list of sensitive equipment
 3. Onsite Management must verify the protection in place prior to the start of testing.
 4. Clean-up procedures (when applicable) should be provided prior to the start of testing and verified after clean-up.

b. Evaluation

- i. Visit all areas with sensitive equipment and note their location on the Project Configuration Form. Examples include:
 1. Optical equipment such as microscopes.
 2. Analytic equipment such as GC-MS, Electron-Microscopes etc.
 3. Identify all hoods and assess whether they should be turned on or off. Ideally, use the standard conditions when the lab is occupied. Hoods do affect aerosol reduction rates so measuring should be performed under “normal” conditions. However, if setting the hood to a non-standard operating condition is helpful to protect certain instruments, then it is OK to do so.
 4. Any other type of equipment that may need protection.
 5. Identify areas that must be avoided during the test.

c. Safety

- i. Assess potential safety hazards operating around the equipment. Hazards may include cords, floor electrical outlets, tubing, wires, high voltage connections, hazardous chemicals, or gasses etc.



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- ii. Identify how to put the equipment into a safe mode during testing
- iii. Identify whether a customer representative is needed to put the equipment into the safe mode

d. Planning

- i. List all spaces with sensitive equipment on the Project Configuration Form.
- ii. Detail any Safety Hazards and what is needed to operate safely while testing
- iii. Secure the equipment in a safe condition prior to testing.
- iv. Prepare sufficient supplies to cover the sensitive equipment during testing.

e. Equipment Covering

- i. Cover all equipment with polyethylene sheet, tape in place. **Note:** Be sure not to disturb any equipment.
- ii. Ensure Hoods are set appropriately.
- iii. Identify any safety hazards with a sign.
- iv. Request the Onsite Management to approve the protections is place prior to testing.
- v. Photograph the area with equipment covered.
 - 1. **Note:** Document the time and dates on the Project Configuration Form. Include a sign in all photos noting the Lab Area being photographed so it is easy to identify.

4. Test Setup

- a. Set up the Origin and Sample Points per the test plan with the following considerations.
 - i. Set the Origin Points up at least 6 feet from sensitive equipment while ensuring they spray from the floor upwards towards a Supply Vent per the normal process.
 - ii. Sample points should be set up at least 10 feet away from operating hoods.
- b. If it is not possible to set up the veriDART test in accordance with these considerations, abandon the test of this area and note it in the Project Configuration Form.

5. Post-Test Cleanup

- a. Remove all equipment covers being careful not to disturb the equipment.
- b. Check all surfaces near the Origin Points to verify they are not contaminated.
 - i. **Note:** Use alcohol wipe to remove any residual tag solutions from surfaces.
- c. Reset any hoods, as required
- d. Remove all Safety Hazard signs, notes and other labels.
- e. Request the onsite Management to approve the clean-up.
- f. Photograph the area and note the date and time in the Project Configuration Form. Include a sign in all photos noting the Area being photographed so it is easy to identify.