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Wall Check Sampling Protocol

1. Choose wall cavity that is to be checked. Punch a ¼ hole 4 to 6 inches from the floor with the scratch awl. This can be done in a non-conspicuous location such as just behind the top edge of a baseboard. Take special care not to pound on the awl while penetrating the wall as this could aerosolize dust from within the wallboard.
2. If the wall cannot be penetrated with the scratch awl (ie. Wood paneling), a low-speed cordless drill can be used. **Warning:** High-speed drilling may induce aerosolization of gypsum dust.
3. With the O-ring in place (approximately 1.5 inches from the end) place a disposable cap over the end of the vinyl tubing.
4. Gently insert the cap and tubing through the penetration until the O-ring makes contact with the wall.
5. While holding the tubing in place by keeping the O-ring snug against the wall, use the Cap Removal Rod to remove the end cap inside the wall by completely inserting the rod into the tubing.
6. When the rod is removed, the end cap should fall to the base of the interior of the wall cavity.
7. Maintain a firm grip on the O-ring and tubing so the dust inside the penetration is not disturbed, and attach a sampling cassette to the WallChek.
8. From the cassette, attach tubing to the electric pump which has been pre-calibrated to 15 liters per minute.
9. Gently tap on wall two times approximately 4 feet above the sampling penetration.
10. Turn on the pump and draw air at 15 liters per minute for 1 to 2 minutes (try not to overload the sampling cassette, as this can cause problems analyzing the sample because of debris).
11. Disconnect WallChek and sampling cassette. Replace the seal to the inlet on the sampling cassette.
12. Label your sampling cassette and place it in a Ziploc bag.
13. Rinse WallChek and tubing with water followed by isopropyl alcohol and thoroughly dry. The drying process may be accelerated by attaching to the pump. Failure to completely dry the unit may adversely affect the next sample.
14. **Warning:** Do not expose the WallChek to excessive heat (ie. Dishwasher, autoclave...etc.)