

# Infragold<sup>®</sup> Reflectance Coating Care and Handling Guidelines

## General Care

The diffuse gold coating used in Labsphere standards, targets, and integrating spheres must be treated with care. Wear clean, powder-free gloves when handling Infragold products. Protect the gold coating from corrosive chemicals and take care to avoid scratching or denting the surface.

## Cleaning Instructions

If Infragold coating becomes soiled, it may be cleaned using the following procedure:

1. Spray the soiled area with a reagent-grade acetone
2. Rinse the area with a spray of deionized water
3. Dry the surface by blowing off with clean, dry nitrogen or clean, dry air.

## Liquid Cooled Infragold Integrating Spheres

Liquid-cooled systems must be cooled with clean, deionized water in a closed-loop environment.

Do not use tap water as coolant.

Care must be taken not to over-pressurize the liquid-cooled spheres.

If pressure at the inlet to the integrating sphere exceeds 10 psi, damage to the sphere will occur.

Labsphere suggests using a pressure gauge in the coolant line.

*For further information on care and handling of Infragold Reflectance Coating, please contact the Labsphere Technical Sales Department*