



www.ddcvalidation.com
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Thermal Validation

D & D Consulting LLC provides world class thermal validation services to pharmaceutical and biotech companies. D & D Consulting uses current industry standard Kaye® and Veriteq® (temperature and humidity) instruments for thermal validation projects. All thermal validation test equipment is fully certified and calibrated to NIST traceable standards.

Our consultants have performed sterility testing for autoclaves, lyophilizers, and sterilize-in-place cycles for various systems.

D&D Consulting has also provided thermal mapping services for stability chambers, ovens, coolers, vacuum ovens and freezers from small laboratory units

Capabilities

- **Temperature and Humidity Room and Equipment Qualifications**
- **Temperature and Humidity Warehouse Qualifications**
- **Shipping Validation**
- **Steam-in-place (SIP)**
- **Sterilization Validation**

Equipment

- **Autoclaves**
- **Bioreactors**
- **Coolers**
- **Cryogenic Freezers**

- **Incubators**
- **Liquid Nitrogen (LN2) Freezers**
- **Lyophilizers**
- **Ovens**
- **Refrigerators**



- **Stability Chambers**
- **Storage Rooms**
- **Transfer Lines**
- **Ultra Low Temperature Freezers**
- **Vacuum Ovens**