

# PREVENTATIVE MAINTENANCE AND CALIBRATION PROGRAMS

SUPPORT REGULATORY & ACCREDITATION REQUIREMENTS



Helmer Scientific annual preventative maintenance programs test and calibrate refrigerators and freezers to ensure they continue to perform at their best.

Completing preventative maintenance and calibration annually through Helmer provides peace of mind that equipment continues to perform as intended, reduces the workload on internal teams, and supports regulatory and accreditation requirements necessary for hospitals, pharmacies, and clinics to continue providing the best possible care to their patients.

These services are completed using NIST and ISO 17025 traceable test equipment. Once completed, a certificate of calibration will be provided to the end-user and a copy will be kept on file at Helmer. These are readily available via a digital repository so certificates of calibration for all Helmer-serviced equipment can be requested as needed.

Preventative maintenance and calibration programs through Helmer are not limited to equipment manufactured by Helmer. Our team of highly-trained technicians can perform preventative maintenance and calibration services, as well as break/fix repairs on all professional medical-grade cold storage equipment from any manufacturer.

## Regulatory Requirements

### ACHC Specialty Pharmacy Accreditation

- ACHC standard DRX7-9A requires evidence and documentation that temperature sensing devices be calibrated to NIST standards, which can be verified on an active certificate of calibration.

### CDC Vaccine Storage and Handling Toolkit Guidelines

- Routine maintenance completed for all cold storage equipment used to store vaccines and medications.
- Temperature monitoring devices should be calibrated based on manufacturer's recommendations. Helmer recommends annual calibration.

### VFC Requirements

- Requirements vary by state but is based on CDC Vaccine Storage and Handling Toolkit guidance.
- Most VFC programs require temperature monitoring devices used in vaccine storage equipment to be regularly calibrated using NIST or ISO 17025 traceable test equipment.

### NSF/ANSI 456 Vaccine Storage Standard

- Certification: The standard requires certified machines to carry valid certificates of calibration.

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## What's included in a Helmer Scientific TrueBlue™ PM

### 20-POINT INSPECTION AND CLEANING

- Inspection of all critical components (20) including refrigeration, electrical, and mechanical systems for proper functionality and clean as necessary to keep equipment at optimum performance.
- Inspection includes wiring, condenser, compressor, refrigeration lines, evaporation system, temperature monitoring probes, door hinges, gaskets/seals, handle components, and more.

### ALARM TESTING

- Ensure all alarms are active and functioning.
- Perform high and low alarm tests and test the condenser temperature, door open, and power failure alarms for proper functionality.

### EQUIPMENT CALIBRATION

- Ensure that temperature monitoring devices are accurately measuring temperature and other data.
- Calibrate temperature monitoring device using NIST and ISO 17025 traceable test equipment, and provide a completed Certificate of Calibration (required for most regulatory accreditation bodies).

### ON-SITE ESTIMATE OF ADDITIONAL RECOMMENDED MAINTENANCE

- Decrease the probability of future failure and/or service visits and educate clinical staff on proper equipment usage.

Well maintained equipment has many advantages. It performs better, reduces service costs, and provides operational efficiency and convenience. It also decreases disruptions due to product failure allowing you to spend less time and effort managing equipment. Helmer TrueBlue™ Preventative Maintenance is non-disruptive and does not require removing equipment from service. Lastly, annual preventative maintenance helps with compliance management and documentation.

**25% of historical  
unit failures  
could have  
been prevented  
with regular  
maintenance.**