

## 5 Key Criteria for Selecting Scientific Refrigeration Equipment

### 1. Storage Capacity

Scientific refrigerators and freezers are available in sizes ranging from countertop and undercounter units to multiple-door units. Find the size you need.

### 2. Defrosting Options

Many manufacturers offer automatic defrost, frost free and manual defrost options in their product lines. Know what will work best for you.

### 3. Is a Low Temperature Freezer the Answer?

Low temperature and ultra-low temperature upright and chest freezers are generally selected for long-term storage. If needed, many units offer internal compartmentalization equipped with separate access doors that reduce contents to the intrusion of ambient air when scientists place or retrieve samples.

### 4. Temperature Control and Display Systems

For storage applications where a certain degree of latitude is permitted for proper storage temperature less precise control may be acceptable. Examples are dial-type thermostats with letters or number ranging from cold, colder, coldest.

For tighter temperature control, the more precise programmable logic control is offered and is a recommended choice for maintaining minimum temperature drift.

### 5. Alarming and Recording Systems

Temperature alarming is a critical feature when storing valuable vaccines, pharmaceuticals and biological specimens. Alarming systems are standard on many of scientific freezers and refrigerators. If your refrigeration equipment does not have built-in alarming systems it can be fitted with optional digital temperature alarms.

#### Questions?

Tovatech's scientists are ready to assist you in selecting with calibration or Analytical Balance questions.