

	<b>BIO-PM 4.7 Mettler Top Loading Balance</b>	
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	<i>Document Manager: Kristin Schelling</i>	<i>Approved By: Jeffrey Nye</i>

## **4.7 Mettler Top Loading Balance**

### **4.7.1 Scope**

To ensure that the balance is operating correctly. The balance shall be calibrated annually, or at the time of any service or repair by a certified technician. The calibration performed by the certified technician shall serve as the performance check.

### **4.7.2 Background Information**

See operator's manual.

### **4.7.3 Operation**

#### **4.7.3.1**

Press the on/off bar to "on" (note: the balance must be allowed to warm up for 30 min. and should be left in the "on" position). This reveals the segment lights and serves as a light check. The display will subsequently indicate zero (weighing mode).

#### **4.7.3.2**

Load item on the pan to be weighed. Wait for the balance to stabilize and record reading.

#### **4.7.3.3**

For taring, begin at weigh mode, place container on the pan, press the bar switch to initiate the tare cycle. When the display indicates zero the container can be used to weigh the amount of sample.

#### **4.7.3.4**

To turn the balance off, press up on the bar. The balance should be left on unless being serviced or the balance is being moved.

### **4.7.4 Auto-Calibration**

#### **4.7.4.1**

Be sure the balance has been on for 30 minutes. Press the bar switch and hold it down until "CAL" is displayed.

#### **4.7.4.2**

Add the required calibration weight to the balance indicated by the display.

#### **4.7.4.3**

A prompt will appear to remove the weight. The balance is now calibrated.

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