

SUCCESSFUL CONSTRUCTION OF LITHIUM ION BATTERY USING LMO MADE FROM CHEMICAL MANGANESE DIOXIDE PRODUCED FROM ARTILLERY PEAK RESOURCE



Figure 1. Lithium Manganese Dioxide Produced by Double Controlled Heat Treatment of Chemical Manganese Dioxide From American Manganese Artillery Peak Material mixed with Lithium Carbonate



Figure 2. Weighing Artillery Peak LMO

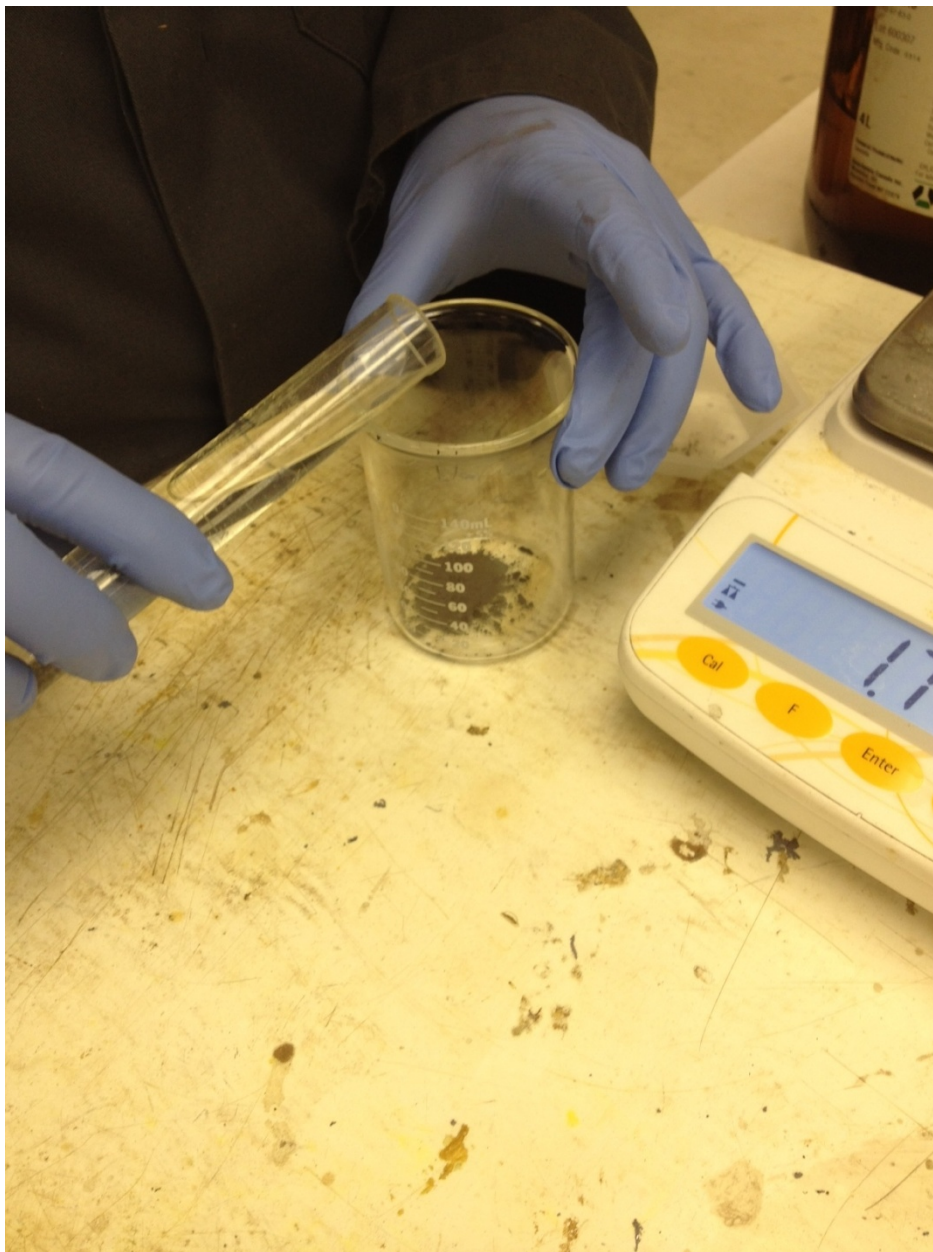


Figure 3. Adding Isopropyl Alcohol to make a Cathode “ink”



Figure 4. Mixing Cathode “ink”

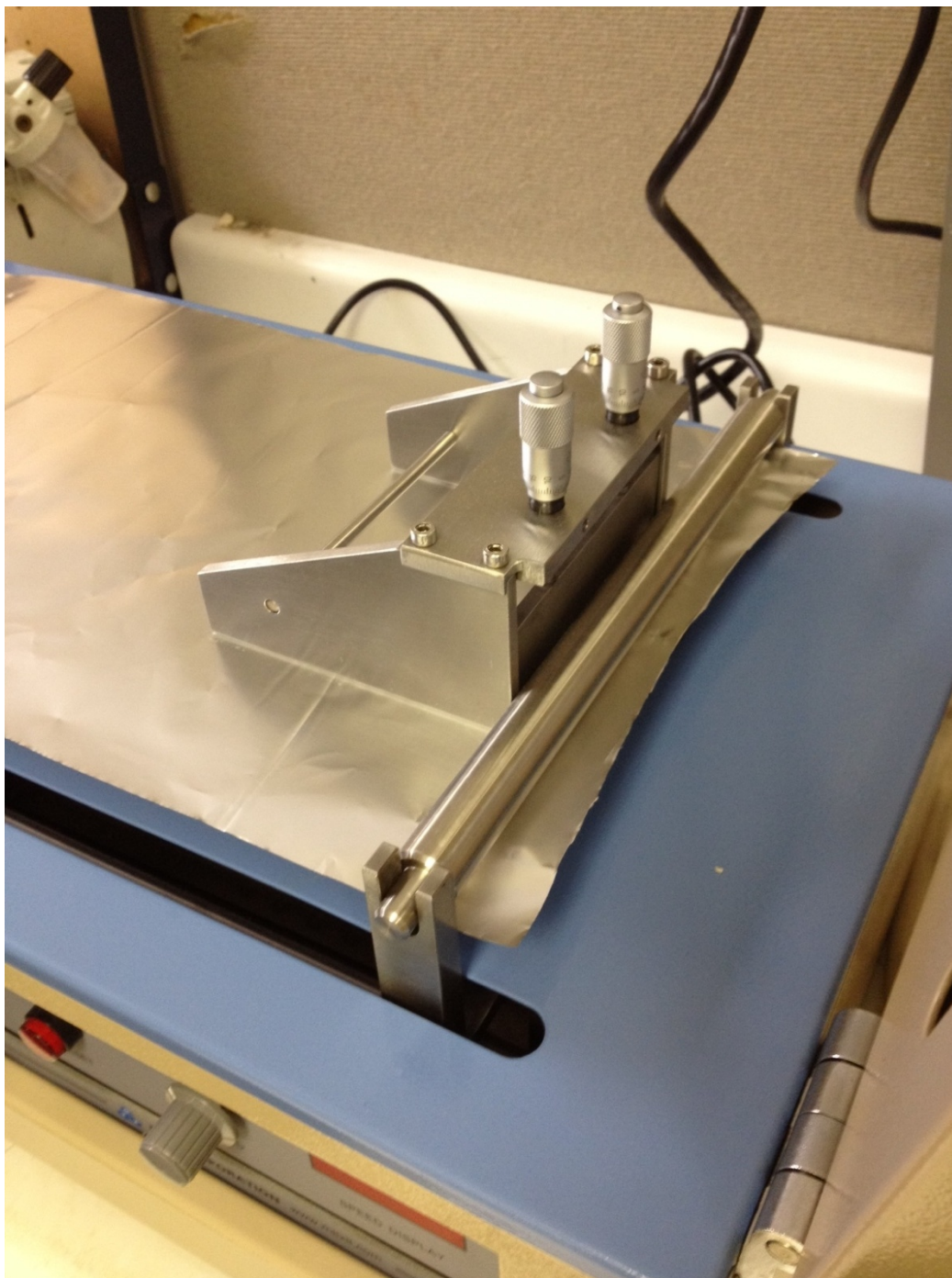


Figure 5. Cathode Coating Device

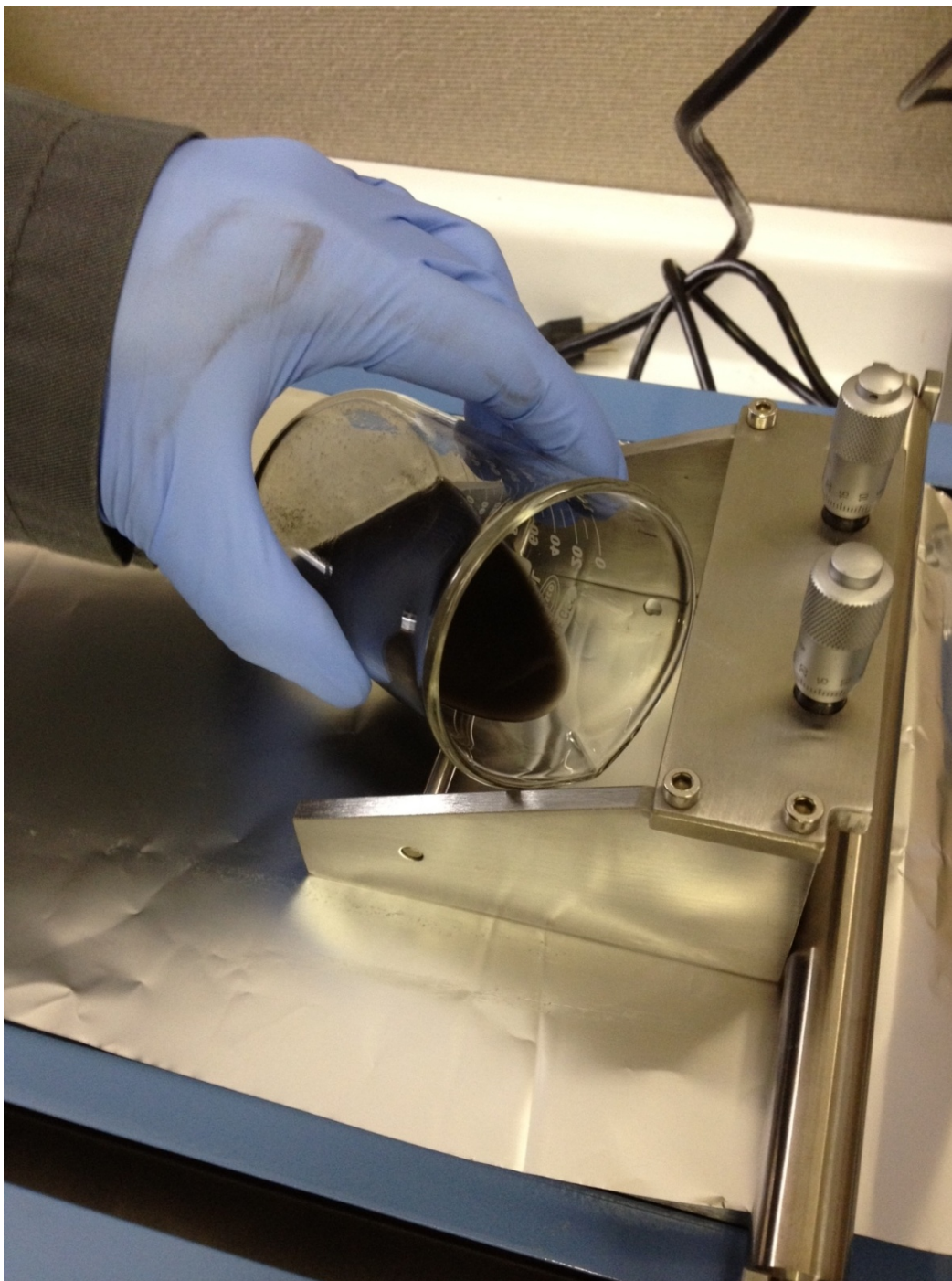


Figure 6. Applying Cathode “ink” to Aluminum Foil

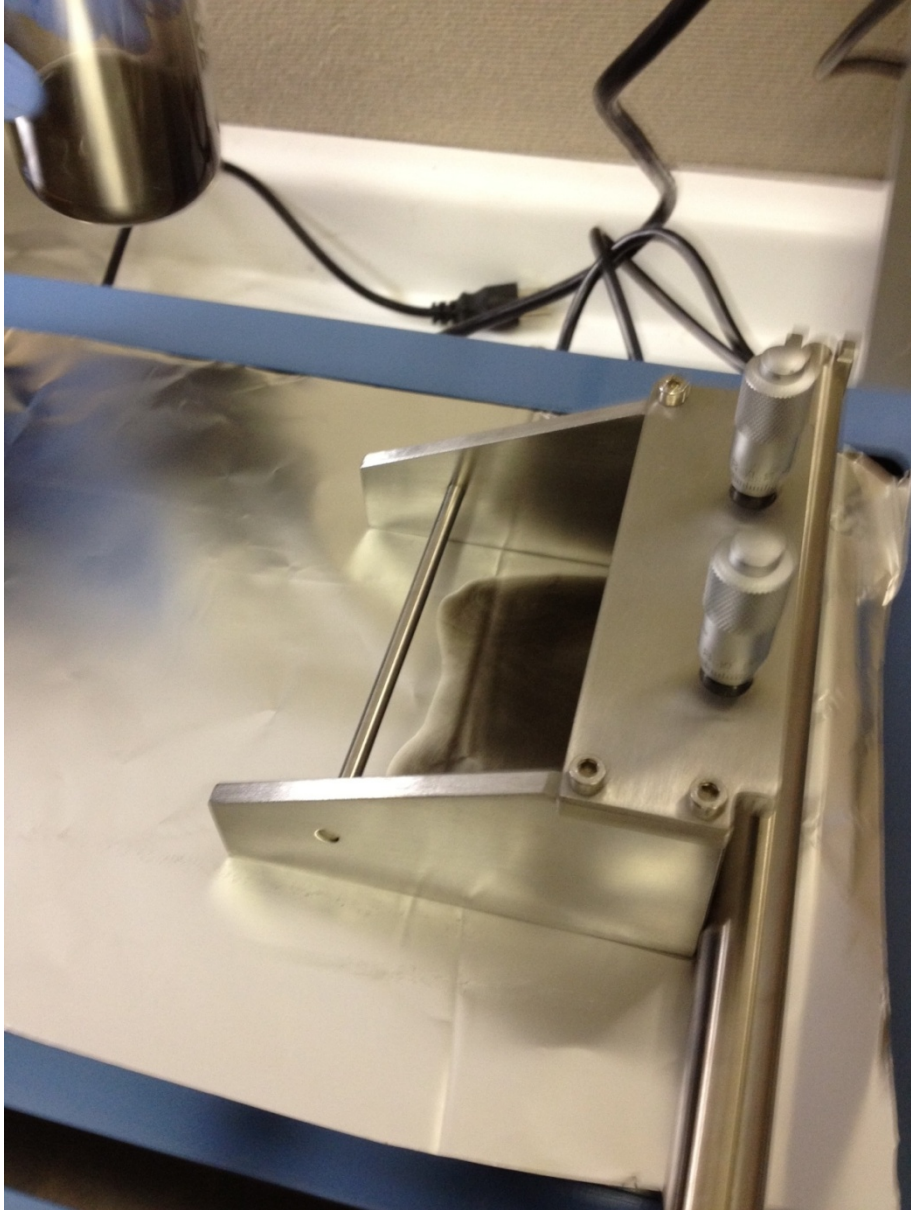


Figure 7. Applying Even Thickness of Material



Figure 8. Baking Cathode Material

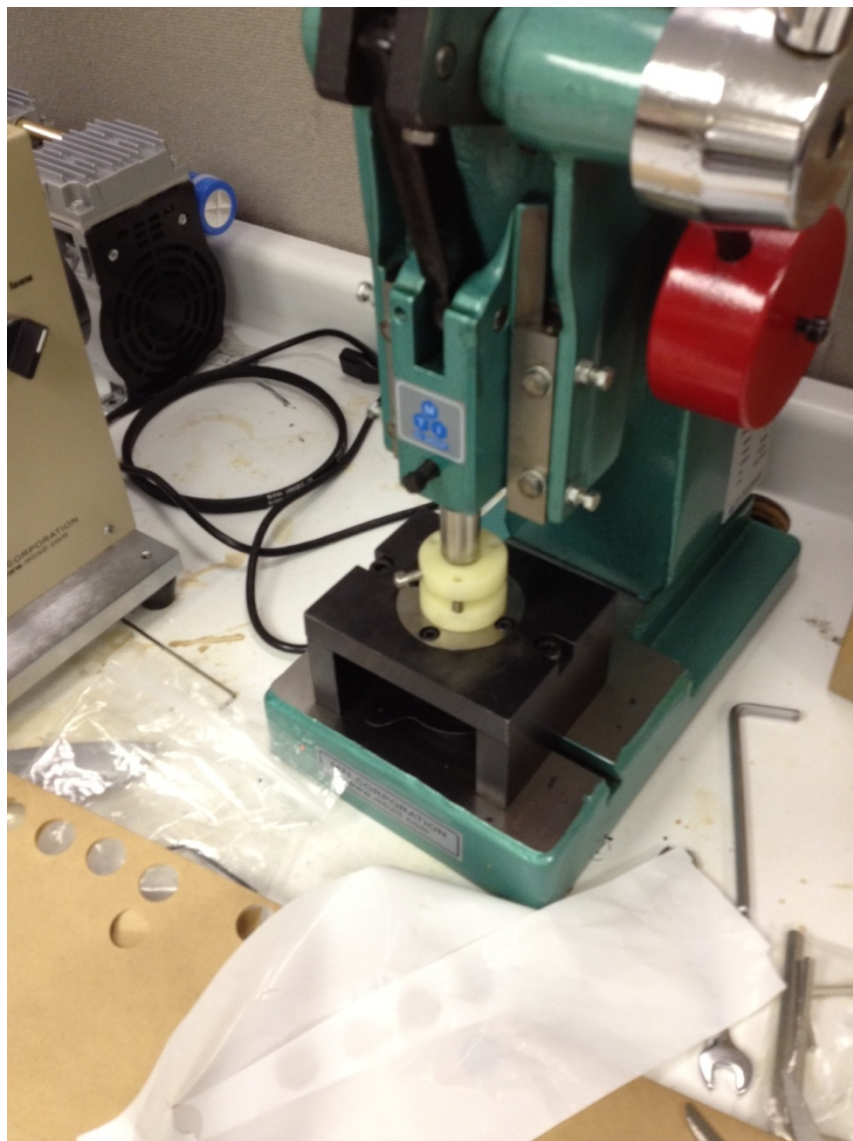


Figure 9. Punching Cathode Disks



Figure 10. Assembling Button Cell in Controlled Humidity Chamber

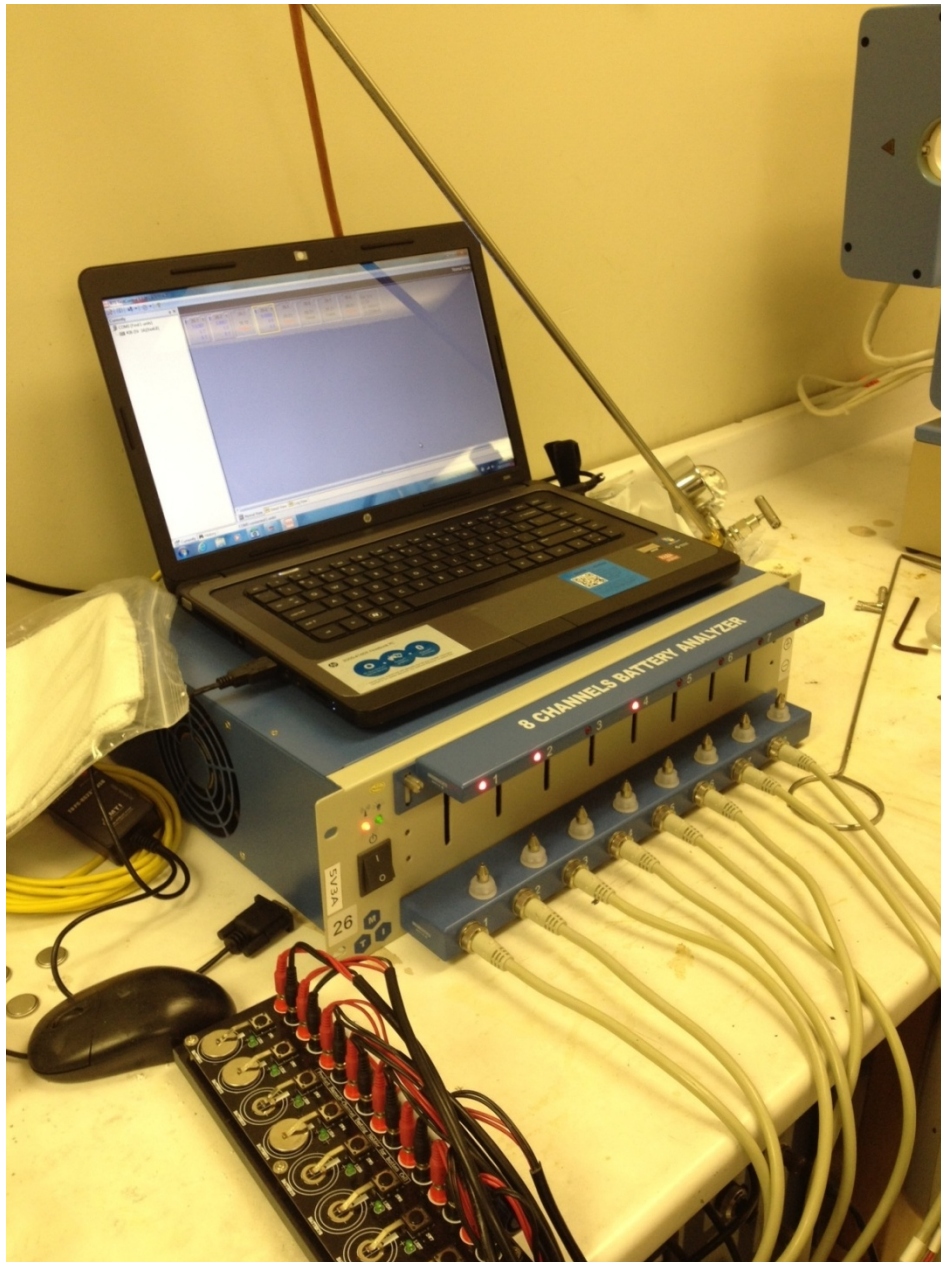


Figure 11. Charging Button Cells Made from Artillery Peak Material

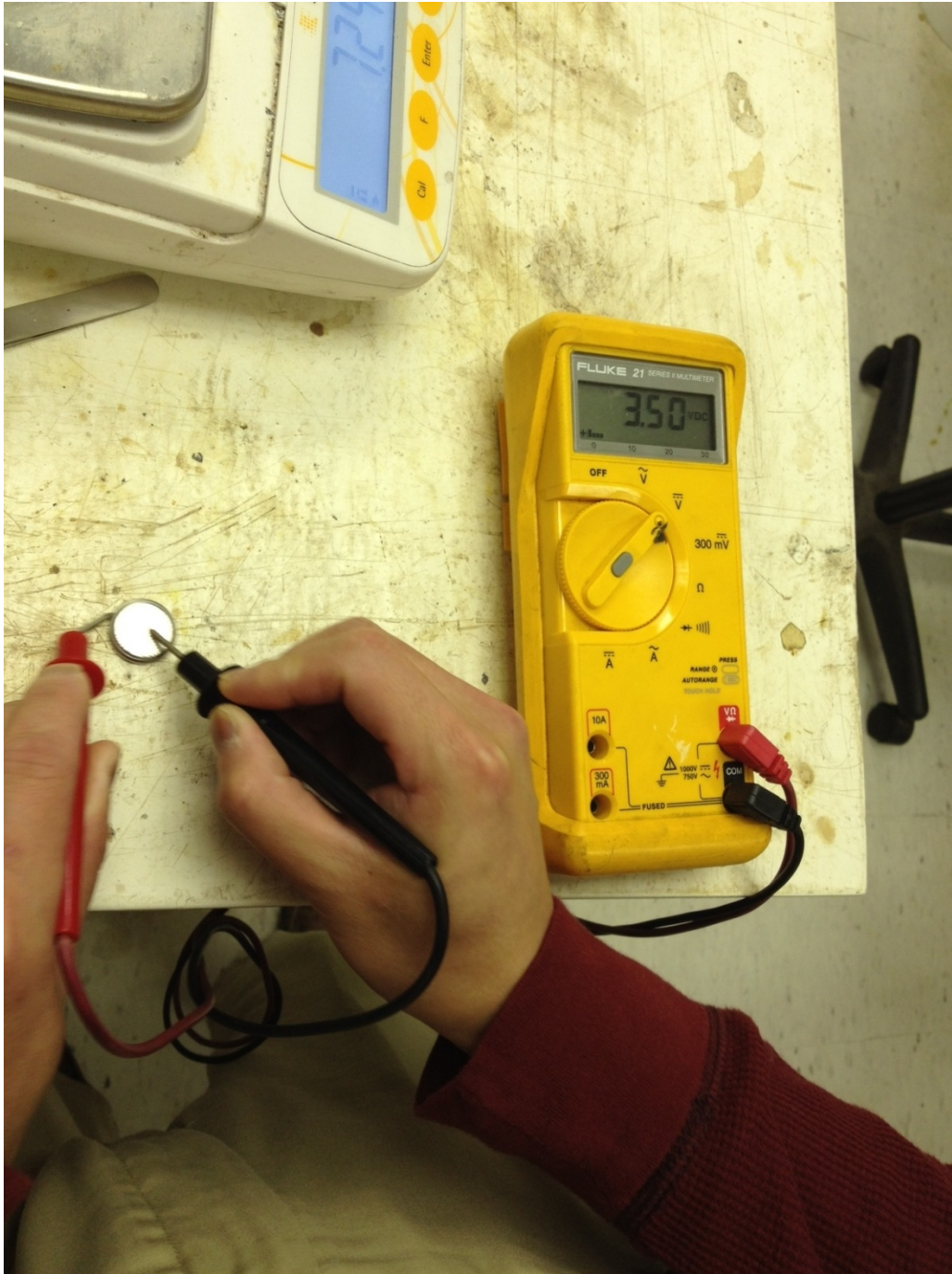


Figure 12. Measuring Cell Voltage, 3.50 Volts