

Materials List for:

# A Simple Approach to Perform TEER Measurements Using a Self-Made Volt-Ammeter with Programmable Output Frequency

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URL: <https://www.jove.com/video/60087>

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## Materials

Name	Company	Catalog Number	Comments
120 kOhm resistor			General (generic) equipment
Banana plug cables			General (generic) equipment
Cables			General (generic) equipment
Chopstick electrode	Merck Millicell	MERSSTX01	
Chopstick electrode (alternative)	WPI World Precision Instruments	STX2	
Crimping tool			General tool
Digispark / ATtiny85	AZ-Delivery Vertriebs GmbH	Digispark Rev.3 Kickstarter	
DMEM:F12	Gibco (Thermo Fisher)	31330038	
Fetal calf serum (FCS)/Fetal Bovine Serum (FBS)	Life Technologies	10270106	
Filter inserts 3µm translucent	Greiner Bioone	662631	
HIBCPP			Hiroshi Ishikawa / Horst Schrotten
Insulation stripper			General tool
Luster terminal			General (generic) equipment
Oscilloscope	HAMEG	Digital Storage Scope HM 208	
Plotter	PHILIPS	PM 8143 X-Y recorder	
Software Arduino	<a href="https://www.arduino.cc">https://www.arduino.cc</a>	Arduino 1.8.9	
Soldering iron			General tool
Soldering lugs			General (generic) equipment
Telephone cable with RJ14 (6P4C) connector			General (generic) equipment
Test resistor	Merck Millicell	MERSSTX04	
True-RMS multimeters	VOLTCRAFT	VC185	
USB charger			General (generic) equipment
USB extension cord			General (generic) equipment
Voltohmmeter for TEER measurement	WPI World Precision Instruments	EVOM	
Voltohmmeter for TEER measurement (alternative)	Merck Millicell	ERS	
Wire end ferrules			General (generic) equipment