

Practicum Checklist for Technician Candidates

Name: _____

Location: _____

Date: _____ Test Duration: _____

Training Specialist: _____

ABM Training Specialist Scoring Guide:

Pass = ✓

Circle any Failed steps

Automatic Failures:

- Incorrect head strip placement
- ANY protocol deviation during acquisition
- Strip arms are warped, bent, pulled, or positioned to cause damage during application or device break down
- 5 + minor deviations

If the session is going to fail, it is at your discretion to end the practicum, and make this a guided practice instead. The practicum will need to be rescheduled at a later time.

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Preparation

N/A

<input type="checkbox"/>	Ask the participant to gaze upward; find Inion (Occipital Protuberance)	
<input type="checkbox"/>	Measure Nasion to Inion; record measurement	
<input type="checkbox"/>	Measure laterally from the top of ear attachment on the left side of the head, to the top of ear attachment on the right side of the head; record measurement	
<input type="checkbox"/>	Use Strip Sizing Chart to determine correct size and select correct size	
<input type="checkbox"/>	Check strip for damage (bends/ breaks)	
<input type="checkbox"/>	Attached strip to head strap with: <ul style="list-style-type: none"> ○ Fuzzy side down ○ Centered ○ Triangle tab pulled through ○ Sensor sites up 	
<input type="checkbox"/>	Foam sensors are placed on strip: <ul style="list-style-type: none"> ○ Centered in black circle ○ Blue tabs aligned 	
<input type="checkbox"/>	Fills the foam sensors with synapse cream, compresses, and repeats	
<input type="checkbox"/>	Wipes the participant's head with an alcohol wipe at the following locations: <ul style="list-style-type: none"> ○ Scalp ○ Forehead (X24 only) ○ Mastoid ○ Collarbones (omitted in clinical) 	
<input type="checkbox"/>	Cut Mastoid electrodes to fit mastoid site, remove adhesive backing, add a dab of synapse cream to center, and apply to mastoid site	

Application

<input type="checkbox"/>	Head strap placement: <ul style="list-style-type: none"> ○ Ask participant to lean head slightly back ○ Center triangular tab to Nasion ○ Have participant hold connector ○ Secure strap with Velcro tabs 	
<input type="checkbox"/>	Secure back O1 and O2 sensor strip arm tabs to head strap (X24 only)	
<input type="checkbox"/>	Ask participant about head strap fit	
<input type="checkbox"/>	Temporal sites: <ul style="list-style-type: none"> ○ Part hair ○ Add synapse cream 	
<input type="checkbox"/>	Place all strip arm tabs down starting with the front and ending with adjusting the back,	

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	ensure foam sensors are lying flat	
<input type="checkbox"/>	Fill remaining foam sensor sites: <ul style="list-style-type: none"> ○ Part hair ○ Add synapse cream 	
<input type="checkbox"/>	Attach 3-pin linked mastoid leads (and 2-pin ECG leads) to respective ports then connect device to sensor strip Flip device up-side down (USB port facing up): <ul style="list-style-type: none"> ○ Unlatch door in back of device ○ Flip connector up (arrow pointing up) ○ Attach to device gently and properly ○ Attach door and latch locks ○ Slip small neoprene strap through plastic loop 	
<input type="checkbox"/>	Connect device to head strap	
<input type="checkbox"/>	If using ECG leads: <ul style="list-style-type: none"> ○ Wipe left and right clavicles with alcohol swab ○ Remove adhesive backing ○ Add dab of synapse cream ○ Adhere BLUE electrode connector to LEFT clavicle and GREY electrode clavicle to RIGHT clavicle 	

Impedance Check and Troubleshooting

<input type="checkbox"/>	Plug in Bluetooth Dongle or ESU-MC	
<input type="checkbox"/>	Turn on device	
<input type="checkbox"/>	Launch software intended for use	
<input type="checkbox"/>	Select “Impedance Check” and instruct participant to not: <ul style="list-style-type: none"> ○ Grit teeth ○ Touch face ○ Blink excessively 	
<input type="checkbox"/>	Press the “Play” button	
<input type="checkbox"/>	Check reference impedances first- If green proceed; if yellow or red, fix by: <ul style="list-style-type: none"> ○ Removing the electrode, re-wipe with alcohol swab, and replace Mastoid Electrodes (follow guidelines in Preparation) 	
<input type="checkbox"/>	Troubleshoot each site, one at a time: <ul style="list-style-type: none"> ○ Part hair, add more synapse cream ○ Re-run impedance check ○ If values are still high repeat 1-2 times, then alcohol swab area, and repeat 	
<input type="checkbox"/>	Continues until all sites are green or at the discretion of the ABM Training Specialist	

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Device Breakdown

<input type="checkbox"/>	Turns off device	
<input type="checkbox"/>	Removes mastoid leads from participant (and ECG leads) or ask participant to do so themselves	
<input type="checkbox"/>	Releases Velcro strap, unlatched door, removes door, detaches connector carefully, reapplies door, releases all Velcro strip arm tabs and removes headset	
<input type="checkbox"/>	Places strap in a flat, dry, and cool place	
<input type="checkbox"/>	Remove excess synapse cream on the participant's head using a paper towel or alcohol swab	
<input type="checkbox"/>	Carefully removes foam sensors from strip, cleans off extra synapse cream, swabs with alcohol <ul style="list-style-type: none"> ○ No bending, ripping, or tearing should be observed 	
<input type="checkbox"/>	Cleans head strap with soapy water and swabs with alcohol once dry	

Score: