

Materials List for:

Measuring Cardiac Autonomic Nervous System (ANS) Activity in Toddlers - Resting and Developmental Challenges

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Materials

Name	Company	Catalog Number	Comments
ANS equipment			
Laptop and power cord	Dell	60-0107-3.0	Mindware BioLab software requires a PC with 2 USB ports
ANS data collection software	Mindware	contact company	BioLab acquisition program
ANS data acquisition unit and cords	Mindware	50-3711-08	BioNex 8-slot Chassis
Snap leads	Mindware	93-0498-00	2 white, 2 red, 2 brown, 1 black
Spot electrodes	Kendall	31112496	130 model; 7 for each assessment + extras-to be sealed in a ziplock bag at all times)
ANS scoring/editing software	Mindware	contact company	HRV Analysis, version 3.1.0F and IMP Analysis, version 3.1.0I
Protocol equipment			
tablet computer	Apple		iPad; for playing audio and video clips
portable speaker	Polariod	PBT510	
Jack in the Box	Schylling	SMJB	Sock Monkey theme
Lemon juice	ReaLemon	98077	0.14 oz shelf-stable packets
Pasture pipettes	Grainger	6FAV9	1 ml size, disposable
Portion cups	Dart Solo Con	250PC	2.5 oz, disposable, plastic
audio files of baby cry	Alkon lab		30 sec clip recorded in a neonatal intensive care unit
audio file of baseline lullaby	Rockabye Baby Music		60 sec of "Across the Universe" on "Rockabye Baby Lullaby Renditions of the Beatles" CD
audio file of final lullaby	Rockabye Baby Music		60 sec of "Here Comes the Sun" on "Rockabye Baby Lullaby Renditions of the Beatles" CD
video file of neutral video			2 min of Baby Einstein video
Retractable measuring tape	Rollfix	TM04	
Miscellaneous materials			
Surge protector			to plug in all electronics
2-prong adapter for surge protector			
Video camera	Sony		Handycam HDR-CX440
Video Encoder, power and input cords	Mindware	50-8614-01	optional; to sync video and ANS data files

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Baby wipes and gauze		for cleaning and drying oily skin
Toys		to distract children during assessment
Visual aids		pictures of child with electrodes on, description of protocol to show participants
Script of protocol for research assistants		
Charging cords for tablet and speaker		
Doll and stickers		for demonstration if necessary