

Materials List for:

# Disrupting Reconsolidation of Fear Memory in Humans by a Noradrenergic $\beta$ -Blocker

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## Materials

Name	Company	Catalog Number	Comments
2 computers with 4 screens	Dell	Optiplex 9010	Recording and monitoring physiological responses. Presenting the experimental script.
Amplifier	Developed by B. Molenkamp - University of Amsterdam		Designed around a Burr Brown INA101 amplifier and ISO103 isolation stage.
VSSRP98	Developed by B. Molenkamp - University of Amsterdam		Physiological registration software. Record electromyography - EMG - activity using a bundled pair of electrodes wires connected to a front-end amplifier with an input resistance of 10 M $\Omega$ and a bandwidth of DC-1500 Hz. Raw EMG signals are integrated in the amplifier. Integrated EMG signals are sampled at 1,000 Hz and used for data analysis.
MATLAB	MathWorks		Analyzing data. Peak amplitudes are determined by taking the baseline 50 msec before probe onset to peak differences within 30 - 150 msec following probe onset and are recorded in microvolt.
Presentation	NeuroBehavioral Systems Inc. - USA		Stimulus presentation.
<a href="#">Constant current stimulator</a>	 Digitimer Ltd.	DS7A	Generates electrical stimulation
Shock electrodes	Made by B. Molenkamp - University of Amsterdam		Ag electrodes of 20 mm x 25 mm with fixed inter-electrodes mid-distance of 45 mm.
Headphones	Sennheiser Electronic GmbH & CO - Germany	HD 25-1 II	Presentation of startle probe and background noises.
EMG electrodes	Made by B. Molenkamp - University of Amsterdam		Three 7 mm sintered Ag-AgCl electrodes.
Double-sided adhesive collars	MedCaT - the Netherlands	848125	13 mm x 5 mm. For attaching the EMG electrodes to the skin.
Conductive gel	Signa Gel - Parker Laboratories Inc. - USA	224.550.011	Facilitates conduction from the skin to both the EMG and shock electrodes.
Alcohol swabs	Sanadep 0.5% - Microtek Medical - the Netherlands	3053800	For cleaning the skin of the participant.
Name	Company	Catalog Number	Comments
Sphygmomanometer	Omron Healthcare Europe B.V. - the Netherlands	M4-I HEM-752-E	Measuring blood pressures and heart rate.

Cotton salivettes	Sarstedt - Germany	511.534	Obtaining salivary samples.
Curved tip syringe	Monoject - Covidien - USA	412	Applies gel to EMG and shock electrodes.
Propranolol HCl - 40 mg and placebo pills	Huygens Apotheek - the Netherlands		Pills should be identical in exterior.