

Materials List for:

A Protocol of Manual Tests to Measure Sensation and Pain in Humans

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Materials

Name	Company	Catalog Number	Comments
Pressure Algometer/Force Dial	Wagner Instruments	FDK 20	The pressure algometer quantifies pressure pain threshold. It has a rubber tip attachment that is applied to the marked skin site by the investigator. The dial records the pressure and is reset after each measurement.
von Frey cutaneous stimulators	Touch Test	NC1275-01 through -08	These von Frey filaments are commonly used to examine sensitivity in research and clinical settings. Our set of 8 filaments covers a range of sensitivities. The individual filaments are 1.65 mN, 2.36 mN, 2.44 mN, 2.83 mN, 3.22 mN, 3.61 mN, 3.84 mN, 4.08 mN.
"Hargreaves" apparatus, testing platform	Custom	n/a	One complete base and four supporting columns are used to form a platform for a sheet of safety glass through which the heat source directs heat to the subjects arm or leg that is resting on the glass. The heat lamp is placed beneath the glass.
0.64 cm Pyrex safety glass	DuPont	n/a	Safety glass is important to avoid injury in the unlikely event of a fracture in the glass surface.
Electronic thermometer/thermocouple 53 IIB	Fluke	3821062	The thermocouple is used for thermal testing. The thermocouple is placed on the glass underneath the subject's arm or leg and measures the temperature at the glass level.
IITC Plantar Analgesia Meter	Life Science Inc. Woodland Hills, CA	390	This is the heat source and timer for Hargreaves testing. The unit's heat source has an "idle state" that allows exact placement of the heat source. The heat source is radiant light and the light beam is focused to the top of the glass to creates a 4 mm x 6 mm intense spot on the arm or leg.
Examiner script	Custom	n/a	A written script for the examiner is used for every testing session. Because pain and sensitivity can be affected by environmental

			stresses, we attempt to maintain as much consistency as possible between subjects. The examiner reads directly from the script every time a measure is made to ensure verbal consistency.
Markers for testing site	Sharpie	n/a	Washable markers may be preferable for situations where multiple days of testing is not necessary
Constant heat stimulus block	Benchmark Scientific	BR10-00	This block is digitally controlled. The surface of the block is 2 cm x 3 cm.