

# Social Threat-Safety Test Uncovers Psychosocial Stress-Related Phenotypes

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jove.com/video/65640

## Materials

Name	Company	Catalog Number	Comments
Arenas	Noldus, Sociability cage, Wageningen, the Netherlands	<a href="https://www.noldus.com/applications/sociability-cage">https://www.noldus.com/applications/sociability-cage</a>	Three-chambered, rectangle in shape with a total size of 60 cm x 40 cm, made of acrylic transparent walls and smooth floors
Camera for video recording	Basler AG, Germany An der Strusbek 60-62 22926 Ahrensburg	ace Classic acA1300-60gc	If using automatic detection program, make sure cameras are compatible
Camera objective	KOWA Kowa Optimed Deutschland GmbH Fichtenstr. 123 40233 Duesseldorf: LMVZ4411   1/1.8" 4.4~11mm Varifokal Objektiv	Part-No. 10504	
Detection program/Timer	Noldus, EthoVision-XT, Wageningen, the Netherlands	<a href="https://www.noldus.com/ethovision-xt">https://www.noldus.com/ethovision-xt</a>	Detection can be achieved either manually (using a timer or a software for manual scoring) or automatically
Housing cages	ZOONLAB GmbH, Hermannstraße 6, 44579 Castrop-Rauxel	3010010	Type 2 cages: 265 mm x 205 mm x 140 mm (l x w x h) i.e. 360 cm <sup>2</sup> bottom area. Made of Polycarbonate (Makrolone®) and Polysulfone. Lids are made of stainless steel. European standard cages for up to 5 mice (20–25 g). Autoclavable up to 134 °C
Mesh enclosures	Part of the Arena Package: Noldus, Sociability cage, Wageningen, the Netherlands	<a href="https://www.noldus.com/applications/sociability-cage">https://www.noldus.com/applications/sociability-cage</a>	Small acrylic or metal cage-like with a diameter of 100 mm and a height of 200 mm with openings of a 10 mm in size. Two mesh enclosures per arena would work but four is preferable (see point 2.5 in protocol)
Mesh wall	selfmade	N/A	Acrylic or metal, one for each cage. Size depends on cages used. The walls must not allow the two animals to have a physical contact
Social targets: Mice of the strains CD-1 and 129/Sv; retired male breeders	Mice provided by Charles River: Strain name: CD-1@IGS Mouse 129S2/SvPasCrl	Crl:CD1(ICR); 129S2/SvPasCrl	CD-1 and 129/Sv retired male breeders, single-housed, novel (unknown) conspecifics to the animals of interest. If retired male breeders are not available then

			males older than 1 year from both strains would suffice
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