

Materials List for:

Using Insect Electroantennogram Sensors on Autonomous Robots for Olfactory Searches

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Materials

Name	Company	Catalog Number	Comments
<i>Agrotis ipsilon</i>	PISC http://www-physiologie-insecte.versailles.inra.fr/indexenglish.php		moth
Robot Khepera III	K-team www.k-team.com		Khe3Base + KorBotLE + KorWifi
KoreIOLE	K-team		Input/output extension board
EAG-robot interface	LORIA www.loria.fr		Custom-made hardware and software
Sirene	LORIA		neuronal simulator sirene.gforge.inria.fr
Eagle	CadSoft www.cadsoftusa.com		PCB design software
Micromanipulator	Narishige / Bio-logic	UN-3C	
Magnet base	Narishige/ Bio-logic	USM-6	
Adapter	Narishige/ Bio-logic	UX-6-6	
Rotule	Narishige/ Bio-logic	UPN-B	
Micro scissors	MORIA / Phymep	15371-92	
Stereo microscope Zeiss Stemi 2000	Fisher Scientific	B19961	
Light source 20 W KL200	Fisher Scientific	W41745	
Narishige PC-10 Na PC-1	Narishige	Narishige PC-10	
Capillaries Na PC-1	Fisher scientific	C01065	
Pheromone cis-7-Dodecenyl acetate(Z7-12:OAc)	Sigma-Aldrich	259829	
Pack of 3 pipettes: 2-20 µl/ 50-200 µl/ 100-1,000 µl	Eppendorf	4910000514	For pheromone dilution and deposition on paper filter
Gas sensor TGS2620	Figaro www.figarosensor.com		Optional, for comparison with EAG
Electrode puller	Narishige	PC-10	