

Materials List for:

FIM Imaging and FIMtrack: Two New Tools Allowing High-throughput and Cost Effective Locomotion Analysis

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Materials

Name	Company	Catalog Number	Comments
FIM setup	Custom		details for construction or purchase of setups is available upon request
Acrylic glass plate	Custom		Additional for agar pouring
Heat radiator plate	Custom		Aluminum plate (painted in matt black) perfusable on opposing sites with adjustable mounting
Water calorifier/cooling pumps and hoses	Custom		based on GE healthcare MultiTempIII (No.: 18-1102-78) and Dr Bruno Lange GmbH (Typ: LTG013)
Standard Camera (4 MP)	Basler	acA2040-25gm	Camera defaultly used for the FIM setup
Test Camera (1.4 MP)	QImaging	1394 firewire (01- QIC-F-M-12 MONO)	Camera used for comparison
Test Camera (0.8 MP)	Point Grey	Dragonfly 2 (DR2-13S2M/C-CS)	Camera used for comparison
Test Camera (0.3 MP)	Sony	PS Eye USB2.0 camera	Camera used for comparison
Computer	Custom		equipped with at least i5 Intel processor or better, 16 GB RAM and sufficient HDD storage space [>1TB]
Standard Fly food	Custom		
Standard Fly vials 135 ml	Sarstedt AG&Co, Nümbrecht, Germany	78,895	
Petri dishes 9 cm	Sarstedt AG&Co, Nümbrecht, Germany	821,473	
Ultrapure deionized water	Merck Millipore, Darmstadt, Germany	Synergy	
NaCl	Carl Roth GmbH, Karlsruhe, Germany	3957.2	
Food grade agar	AppliChem GmbH, Darmstadt, Germany	A0917,5000	
Paintbrush (small and large)	Milan	Aquarell 310 Size 0 and 2	
Pyrometer	Trotec	BP20	