

Materials List for:

Bottlenose Dolphin (*Tursiops truncatus*) Spermatozoa: Collection, Cryopreservation, and Heterologous *In Vitro* Fertilization

María Jesús Sánchez-Calabuig^{1,2}, Francisco Alberto García-Vázquez³, Ricardo Laguna-Barraza¹, Carlos Barros-García⁴, Daniel García-Parraga⁵, Dimitrios Rizos¹, Alfonso Gutiérrez Adán¹, José Félix Pérez-Gutiérrez²

¹Department of Animal Reproduction, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA)

²Department of Animal Medicine and Surgery, School of Veterinary Medicine, Universidad Complutense de Madrid

³Department of Physiology, Faculty of Veterinary Science, University of Murcia, Campus Mare Nostrum

⁴Mundomar, Benidorm

⁵Veterinary Services, L'Oceanográfico, Ciudad de las Artes y las Ciencias, Junta de Murs i Vals, s/n, 46013

Correspondence to: José Félix Pérez-Gutiérrez at jfperez@vet.ucm.es

URL: <https://www.jove.com/video/55237>

DOI: [doi:10.3791/55237](https://doi.org/10.3791/55237)

Materials

Name	Company	Catalog Number	Comments
FERT-TALP medium	Merck		
TCM-199	Sigma	M-4530	
Hoechst 33342	Sigma	B-2261	
4-well dishes	Nunc	176740	
Density gradient BoviPure	Nidacon International	BP-100	
Washing solution Boviwash	Nidacon International	BW-100	
Magnesium chloride	Promega	A35 1H	
Sterile water	Mili Q síntesis A10 Millipore	A35 1H	
Buffer Tris Borate EDTA	Sigma	T4415	
MB agarose	Biotools	20.012	
5X GoTaq flexi buffer	Mili Q síntesis A10 Millipore	M 890 A	
MB agarose	Biotools	20.012	
Taq polymerase	Promega		
SafeView	NBS Biologicals Ltd.	M 890 A	
Makler counting chamber	Sefi Medical		
Thoma chamber	Hecht-Assistant		
pHmeter MicropH 2000	Crison Instruments		
Osmometer Advanced micro osmometer 3300	Norwood		
Computer assisted sperm analysis system	Projectes y Serveis R+D		
Stereomicroscope MZ 95	Leica		
Epifluorescent optics Eclipse Te300	Nikon		
Confocal assistant 4.02 software	Bio-Rad	3D analysis software	
Confocal laser scanning microscopy	Bio-Rad		
Micropipettes (P2, P20, P200, P1000)	Gilson		
Microcentrifuge tubes	VWR		
UV illuminator	Bio-Rad		

PCR Thermal cycler Primus 96 Plus	MWG AG Biotech		
-----------------------------------	----------------	--	--