


AC102 *Tisochrysis lutea*

Taxonomy		Image		Origin	
Kingdom	Chromista			Climatic Zone	Subtropical
Division	Haptophyta			Habitat	Coastal
Class	Prymnesiophyceae			Ocean	South Pacific
Order	Isochrysidales			Sea	-
Family	<i>Isochrysidaceae</i>			Country	France
Genus	<i>Tisochrysis</i>			Region	Tahiti
Species	<i>lutea</i>			Geolocation	
Authority(ies)	Bendif et Probert			Latitude	-
Identity		Morphology		Culture	
Holotype	Yes	Length (µm)	-	Isolated by	Haines
Equivalent code	T.ISO, CCAP927/14, CCMP1324, NEPCC601, CS-177, RCC1349	Width (µm)	-	Isolation date	1977
Deposited by	-	Diameter	-	Isolation site	Society Islands
Deposit date	-	Wall	-	Culture medium	K/2
Identified by	-	Comments	Original name : Isochrysis aff. galbana "Tahiti"	Growth temperature	16 °C
				Growth light	160 µE
				Toxicity	Unproven
External Links					
Genbank accession number	SSU : KC888118 - LSU : KC888152 - cox1 : KC888185				
References	<p>- EM Bendif, I. Probert, DC Schroeder and C. de Vargas (2013) On the description of <i>Tisochrysis lutea</i> gen.nov. sp. nov. and <i>Isochrysis nuda</i> sp. nov. in the Isochrysidales, and the transfer of <i>Dicrateria</i> to the Prymnesiales (Haptophyta). <i>J. Appl. Phycol.</i> DOI 10.1007/s10811-013-0037-0</p> <p>- B. Véron, J.-C. Dauguet and C. Billard. (1998) Sterolic biomarkers in marine phytoplankton. II. Free and conjugated sterols of 7 species used in mariculture. <i>Journal of Phycology</i> 34 (2): 273-279</p> <p>- E. Danton, B. Véron and M. Mathieu (1999) Influence of diet level on sterols of diploid and triploid oysters <i>Crassostrea gigas</i> (Thunberg). <i>Journal of Experimental Marine Biology and Ecology</i> 233 (2): 259-267</p>				

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- E. Ponis, I. Probert, B. Véron, M. Mathieu and R. Robert. (2006) New microalgae for the Pacific oyster *Crassostrea gigas* larvae. *Aquaculture* 253: 618 - 627.
- P. Claquin, I. Probert, S. Lefebvre, B. Véron (2008). Effects of temperature on photosynthetic parameters and TEP production in eight species of marine microalgae - *Aquatic Microbial Ecology* 51:1-11