

## Incidence de la salinite sur les equilibres de distribution hydrique et ioniques et sur le metabolisme respiratoire dans le muscle blanc, le muscle rouge et la branchie chez le muge *Chelon labrosus*



Oxygen consumption, water, K super(+) and Na super(+) contents were measured in white muscle, red muscle and gill epithelium in the mullet *Chelon labrosus*) in relation with the duration of fresh water or sea water (1500mOsm) adaptation. The unit respiratory activities in gill and red muscle where respectively 5 and 3 timesmore elevated than in white muscle. The pericellular K super(+)/Na super(+) ratio of the 3 tissues decreased with the fresh water adaptation duration. In the gill, the intracellular K super(+)/Na super(+) ratio was stable while the parameter decreased strongly in the white muscle. The results are discussed in relation to energetic cost of homocellular regulation and homoepithelial regulation.

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**Obtenir le document :** Actes de colloques. Ifremer. Brest [ACTES COLLOQ. IFREMER.]. 1985

**Mots clés :** *Chelon labrosus*, Mugilidae, Pisces, Gills, Muscles, Oxygen consumption, Respiration, Ions, Water balance, Osmoregulation, Salinity effects

**Thème (issu du Text Mining) :** TYPOLOGIE DES EAUX

**Date :** 1983-12

**Format :** text/xml

**Langue :** Inconnu

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