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*(Oncorhynchus mykiss)*

( Iu/mL)

( / mg/mL)

E-mail: [h\\_niksirat@yahoo.com](mailto:h_niksirat@yahoo.com)

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(Salmonidae)

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 / / pH ( ) ( )  
 ( )  
 pH  
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 ×  
 ( )  
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Jensen & Alderdice  
 Coffman & Goetz  
 Lahnsteiner *et al*

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Springate *et al*  
 Gisbert & Williot  
 Rothbard *et al*  
 Suquet *et al*  
 Goetz & coffman

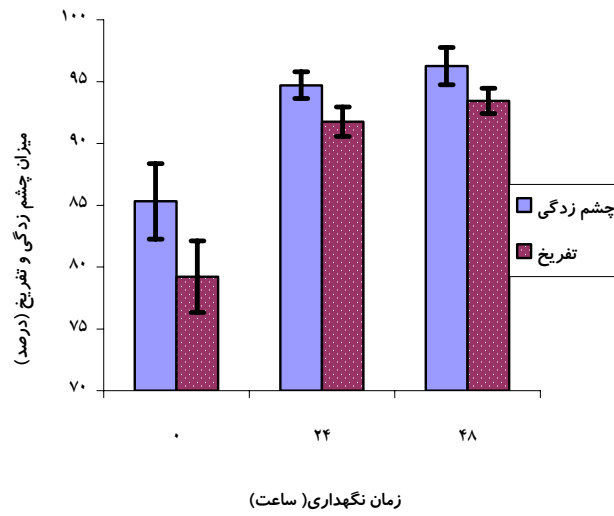
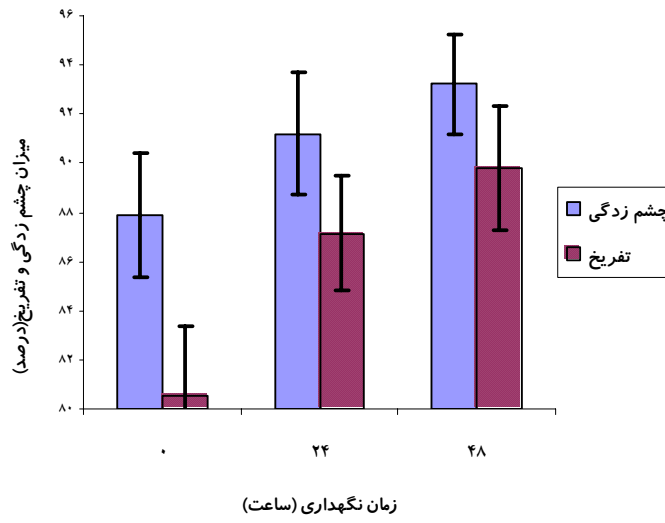
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( )  
( : ) ( pH= , *Tris-Hcl* / ) *MS*  
( : )

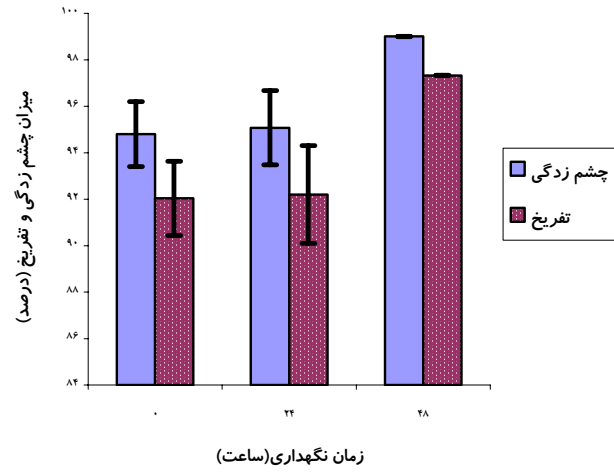
pH

( ) ( ) ( )  
( ) ( )  
( ) ( Iu/mL ) ( mg/mL )  
SPSS Excel

(P> / )  
 (P< / )  
 .( )

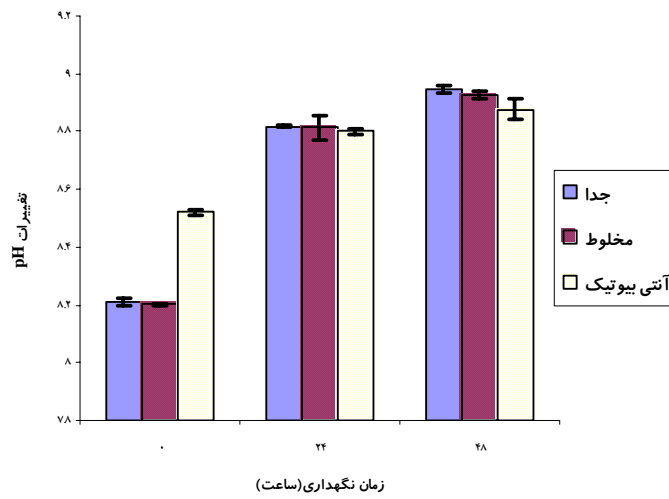


( ) (P < / ) .



( ) (P < / ) .

pH ( P < / )



PH

( )

( )  
( )

( )  
( )

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(

- Stevens

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- Craik  
- Springate  
- Azuma *et al*  
- Goetz & coffman

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pH ( )

OH  
) pH  
pH ( - )  
( )  
( )

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Jenkins & Tiersch

Lahnsteiner & weismann

Bell *et al*

Babiak & Dabrowski

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## Storage of Unfertilized Eggs of Rainbow Trout (*Oncorhynchus mykiss*) in Ovarian Fluid Media

H.Niksirat<sup>1</sup>

K.Sarvi Moghanloo<sup>2</sup>  
A.Pasha Zanoosi<sup>5</sup>

B.Mojazi Amiri<sup>3</sup>  
M.Miar Naimi<sup>6</sup>

Azadeh Hatef<sup>4</sup>

### Abstract:

In order to determine viability of unfertilized eggs of rainbow trout (*Oncorhynchus mykiss*) out of body cavity, eggs obtained from three females were stored in three different treatment media for three time periods of 0, 24, 48 hours at 10-11°C. In the first treatment medium, 15ml of unfertilized eggs from each female were stored separately on plates. For the second treatment medium, 5ml of eggs from each female were obtained, mixed together, and stored on plates. In the final treatment medium, eggs were obtained like in the first treatment but (100Iu/mL) penicilin and (0.1mg/mL) streptomycin sulfate were added to each plate. Maximum eyeing was observed in treatment medium containing antibiotics and at all time periods of storage. In all treatment media, at storage time periods of 24 and 48hrs, percent eyeing was more than that in freshly fertilized control eggs. Although, there wasn't any significant difference observed between eyeing percent in control as to separate and mixed eggs, but in times periods of 24, 48 hrs, percent eyeing in mixed stored eggs was significantly more than that in separately stored eggs. According to results obtained in this experiment, unfertilized eggs of rainbow trout can be held in coelomic fluid out of body cavity for at least 48 hrs without need for any special technology.

**Keywords:** Rainbow trout, Unfertilized eggs, Storage, Ovarian fluid.

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1-Graduate Student, of Fisheries, Fisheries and Environment Department, Faculty of Natural Resources, University of Tehran  
E-mail: [h\\_niksirat@yahoo.com](mailto:h_niksirat@yahoo.com)

2- Graduate Student Fisheries, Fisheries and Environment Department, Faculty of Natural Resources, University of Tehran

3-Associate Professor, Fisheries and Environmental Department, Faculty of Natural Resources, University of Tehran

4- Graduate Student, of Fisheries, Fisheries and Environment Department, Faculty of Natural Resources, University of Tehran

5-Expert, Center for Breeding and Cultivation of Salmonid Fish Kelardasht

6-Expert, Center for Breeding and Cultivation of Salmonid Fish Kelardasht