|  |
| --- |
| University of Baghdad |
| Veterinary Medicine | College Name |
| Zoonotic Disease Unit | Department |
| Moutaz A. Abdul Mounam | Full Name as written in Passport |
| drmoutaz@yahoo.com | e-mail |
| **Professor**  | **Assistant Professor**  |  **Lecturer** |  **Assistant Lecturer**  | Career  |
| Study of penetration of salmonella typhimurium and protues vulgaris through table egg shell membranes at various temperatures | Research Title  |
| Single |  | Shared name  | Shared or Single |
| Al –Ambar Journal of Vet. Sciences | Published Journal title  |
| INPRESSED | Volume Number |
| INPRESSED | Page  |
| 2012 | Year |
| This study was conducted to evaluate the penetration rate of pro. Vulgaris and sal.typhi. (individually and combined ) through the shell membrance and egg contents with two different level temperatures( 37&4)°C . A total of 120 brown eggs were collected from Baghdad markets and divided into (3) groups (40 eggs for each ) 1st .group was exposed to 6.2×1000000 cfu/mil of p.vulgaris. The 2nd .group was exposed to 6.2×1000000cfu/mil of s.typhimurinm and the 3rd exposed to 6.2×1000000cfu/mil of both individually &/or combined p.vulgaris and s.typhi.cells were survived on egg shells for 28 days at both(37&4)°C. Both s.typhi.and p.vulgaris together reached the shell membrane and egg content within 7 days at( 37 &4)°C but p.vulgaris penetrate egg shell and eggs content earlier within 7 days at both (37&4)°C also s.typhi penetrate egg shell and content within 7 days at 37°Cbut it couldn’t reach the contents after 28 days at 4°C. It could be concluded that the effect of storage of temp.at both (4 &37)°C on the affinity of penetration via egg structures for 28 days was investigated in this research thus their effect on public health and economic importance on costumers were shown to be evaluated & discussed.  | Abstract |