

بسم الله الرحمن الرحيم

**Sudan University of Science and Technology**

**College of Graduate and scientific Studies**

**Molecular detection of Extended-spectrum  $\beta$ -lactamase genes in**

***E. coli* Isolated from Urine Specimens**

الكشف الجزيئي عن إنزيمات البيتا لكتام في الاشريكية القولونية المعزولة من عينات البول

**A thesis Submitted in Fulfillment for the Requirements of the degree of M.Sc in  
Microbiology**

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**October, 2012**