

## ISOLATION OF OUTER MEMBRANE PROTEIN OF *AEROMONAS HYDROPHILA* RECOVERED FROM CHILDREN WITH DIARRHEA

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### ABSTRACT

A total of 294 stool samples were collected from patient children, their ages were between 1 month to 6 years and suffering from diarrhea disease during period December 2012 and February 2013 from Al-Muthana public health laboratory in Muthana province - Iraq. All suspected isolates were screening by traditionally tests and then confirmed by Vitek 2 system and PCR technique (16S r RNA gene). The results showed that; there were 12 (4.08%) positive isolates of *Aeromonas hydrophila*. The SDS-PAGE method was used to analysis outer membrane proteins (OMPs) profile. The result revealed that, the OMPs molecular weight was around 44 KDa.

**KEYWORDS:** Identification *A. hydrophila*, Isolation of OMP, SDS-PAGE Analysis