



Fig. (1). Agarose gel electrophoresis of multiplex PCR of *iap* (131 bp), *hlyA* (456 bp) and *actA* (839 bp) genes for characterization of *Listeria monocytogenes* isolated from animal sources. (Lane M: 100 bp ladder as molecular size DNA marker. Lane C+: Control positive *L.monocytogenes* for *iap*, *hlyA* and *actA* genes. Lane C-: Control negative. Lanes 1, 2, 4, 6, 7, 11, 13 & 14: Positive strains for *iap*, *hlyA* and *actA* genes. Lanes 3, 5, 8, 9 & 10: Positive *L. monocytogenes* strains for *iap* and *hlyA* genes. Lane 12: Positive *L. monocytogenes* strain for *iap* and *actA* genes).