

Figure S1. Agarose gel electrophoresis for detection of *blaOXA-48* gene (438 bp)

Agarose gel electrophoresis image showing the PCR amplification products of the *blaOXA-48* Carbapenemase gene. **Lane L:** 100 bp DNA ladder (molecular weight marker); **Lanes 1–13:** DNA samples from clinical isolates tested for *blaOXA-48*. Bands observed at approximately 438 bp indicate **positive amplification** of the OXA-48 gene, while absence of bands denotes **PCR-negative** isolates. PCR primers and cycling conditions are provided in the Materials and Methods section.

