

Appendix 1. Primers and PCR Protocols

Genes	Primers	Size of Product	Program	Reference
<i>gyrB</i>	<i>gyrB F</i> : CCTGACCATCCGTCGCCACAAC <i>gyrB R</i> : CGCAGCAGGATGCCGACGCC	222 bp	95°C, 5 min., 94°C, 45 sec. 66°C, 45 sec. 72°C, 1 min. 72°C, 1 min., 35 cycles	20
<i>blaOXA-23</i>	<i>bla OXA-23F</i> : GATCGGATTGGAGAACCAGA <i>blaOXA-23R</i> : ATTTCTGACCGCATTTCAT	500 bp	94°C, 5 min., 94°C, 40 sec. 52°C, 50 sec., 72°C, 50 sec. 72°C, 1 min., 30 cycles	21
<i>qacE</i>	<i>qac E F</i> : ATGAAAGGCTGGCTT <i>qac E R</i> : TCACCATGGCGTCGG	300 bp	94°C, 5 min., 94°C, 25 sec. 55°C, 45 sec. 72°C, 45 sec. 72°C, 1 min., 35 cycles	22
<i>qacEΔ1</i>	<i>qac E1 F</i> : TAGCGAGGGCTTTACTAAGC <i>qac E1 R</i> : ATTCGAAATGCCGAACACCG	335 bp	93°C, 2 min., 94°C, 30 sec. 55°C, 30 sec. 72°C, 1 min. 72°C, 1 min., 35 cycles	22

Appendix 2. Demographic Data of *Pseudomonas aeruginosa* Infections

Gender	AGE	WARD							Site of Infection				
		No/Percent					No/Percent						
No.(%)	Mean	ICU			NERO	EMR	INF	CARD	LC	WC	BC	UC	Other
	Rang	I	II	III									
Male 41(58.5)	61.8	9	14	4	5	4	1	2	31	4	1	3	2
	2-92		20	5.7	7.1	5.7	1.4	2.8	44.2	5.7	1.4	4.2	2.8
Female 29(41.4)	64.9	10	4	2	4	4	1	3	15	2	3	7	2
	42-87	14.2	5.7	2.8	5.7	5.7	1.4	4.2	21.4	2.8	4.2	10	2.8
Total 70(100)	63.3	19	18	6	9	8	2	5	46	6	4	10	4
	2-92	271	25.7	8.5	12.8	11.4	2.8	7.1	65.7	8.5	5.7	14.2	5.7

ICU: Intensive care unit, CARD: Cardiology, EMR: Emergency, INF: Infectious diseases, NERO: Neurology, LC: tracheal aspirate culture, BC: blood culture, UC: urine culture, WC: wound culture.