

**Figure S1: General procedure for the biosynthesis of SeNPs**

Organism Quantity:

Selected Organism : *Ralstonia insidiosa*

Source:

Collected:

Comments:	

<b>Identification Information</b>	<b>Analysis Time:</b> 5.83 hours	<b>Status:</b> Final
<b>Selected Organism</b>	97% Probability <b><i>Ralstonia insidiosa</i></b>	
<b>ID Analysis Messages</b>	<b>Bionumber:</b> 4243001103500000	

Biochemical Details																	
2	APPA	-	3	ADO	-	4	PyrA	+	5	IARL	-	7	dCEL	+	9	BGAL	-
10	H2S	-	11	BNAG	-	12	AGLTp	+	13	dGLU	+	14	GGT	+	15	OFF	-
17	BGLU	-	18	dMAL	-	19	dMAN	-	20	dMNE	-	21	BXYL	-	22	BAlap	-
23	ProA	+	26	LIP	-	27	PLE	-	29	TyrA	+	31	URE	-	32	dSOR	-
33	SAC	-	34	dTAG	-	35	dTRE	-	36	CIT	+	37	MNT	+	39	5KG	-
40	ILATk	+	41	AGLU	-	42	SUCT	+	43	NAGA	-	44	AGAL	-	45	PHOS	-
46	GlyA	-	47	ODC	-	48	LDC	-	53	IHISa	-	56	CMT	-	57	BGUR	-
58	O129R	-	59	GGAA	-	61	IMLTa	-	62	ELLM	(-)	64	ILATa	-			

**Figure S2: The Vitek 2 System results show *R. insidiosa* isolates.**

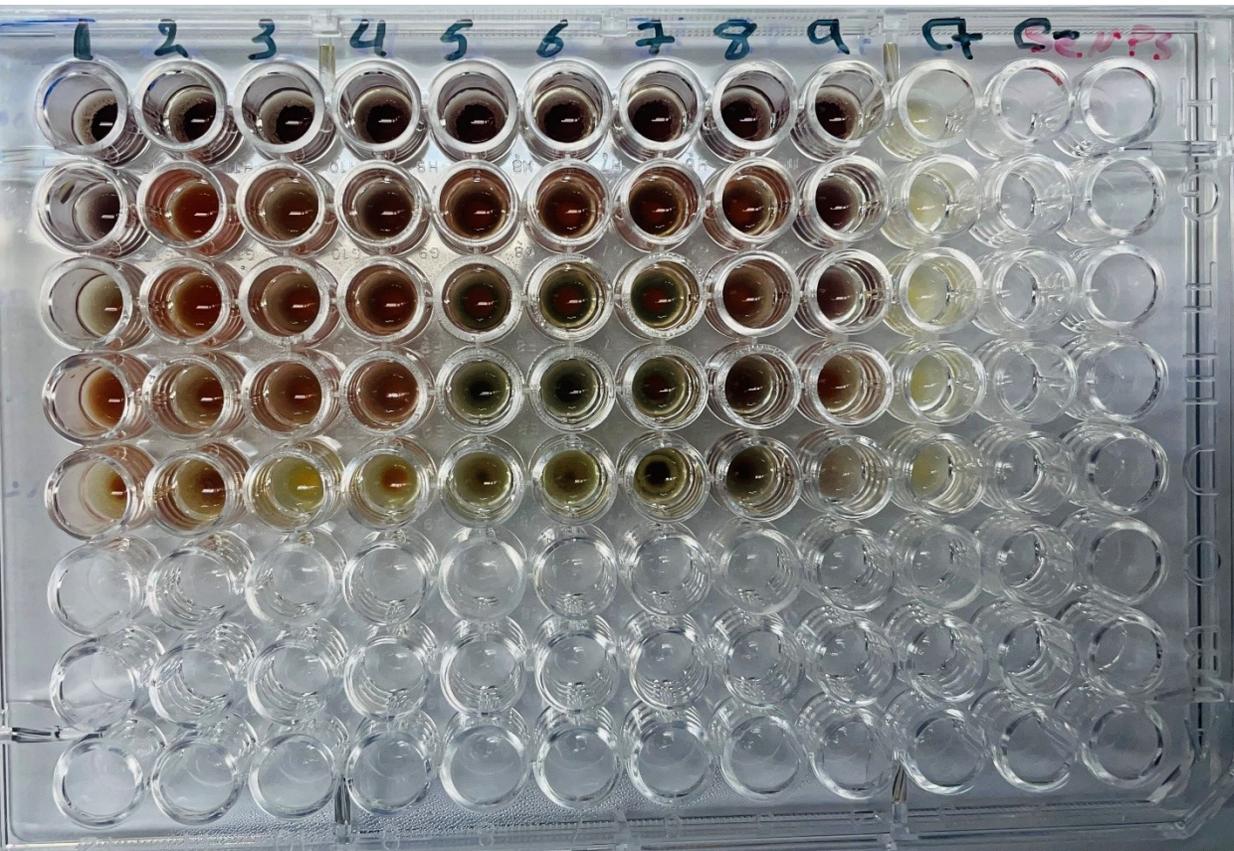


(a)

(b)

(c)

**Figure S3:** Synthesis of SeNPs using the biological method involved three main stages: (a) the initial selenium mixture before incubation, (b) the reaction mixture after two days of incubation, during which a visible color change indicated nanoparticle formation, and (c) the final dried selenium nanoparticle powder.



**Figure S4.** MIC of SeNPs against *Acinetobacter baumannii* (Positive control), (NC), Negative control