Table (137) Growth of actinomycete isolate C_2 on sole carbon sources.

carbon source	actinomycete isolate
	C_2
L.arabinose	1
sucrose	1
D-xylose	1
meso-inositol	1
mannitol	1
D-fructose	1
L. rhamnose	1
r affinose	1
mannose	1
l actose	1
inuline	1
salicin	0
t rehalose	1
dextran	1
D.galactose	1
cellobiose	1
sod. acetate	1
sod. - citrate	1
sod. pyruvate	1
sod. benzoate	1
amm. oxalate	1
amm. tartarate	1

Table (138) Growth of actinomycete isolate C_2 on sole nitrogen sources.

nitrogen source	actinomycete isolate
	C_2
∝-amino butyric acid	0
potassium nitrate	1
L. cysteine	1
L. valine	1
L. threonine	1
L. serine	1
L. phenylalanine	1
L. methionine	1
L. histidine	1
L. arginine	1
L. hydroxyproline	1
tryptophan	1
alanine	1
glycine	1
leucine	1
cystine	1
glutamine	1
aspartic acid	1
tyrosine	1

Table (139) Antimicrobial characteristics of isolate C_2.

media	isolate No.	test organisms							
		Escherichia coli	pseudomonus fluorescens	Bacillus subtilis	Bacillus cereus	candida albicans	saccharomyces cerevisiae	fusarium oxysporum	macrophomina phaseoli
starch nitrate agar	C_2	0	0	28	24	20	28	0	0
fish extract agar	C_2	0	0	26	24	22	28	0	0

Table (140) Sensitivity of actinomycete isolate C_2 to different antibiotics (ug mL^{-1}).

antibiotic		actinomycete isolate C_2
gentamycin	(100)	30
neomycin	(50)	36
streptomycin	(100)	32
tobramycin	(50)	30
rifampicin	(50)	0
cephaloridine	(100)	0
vancomycin	(50)	0
dimethylchlorotetracycline	(500)	28
oleandomycin	(100)	28
lincomycin	(100)	30
penicillin G	(10 i.u.)	0