

Extra cellular enzyme production Analysis

An overnight culture of KCC-30 was used for the analysis of extra cellular enzymes. Megazyme assay kit (Bray, Co. Wicklow, Ireland) and API-ZYM kits (Marcy-I' Etoile, France) were used for the analysis of enzyme production.

Table 1

Analysis of intra and extra cellular enzyme production from KCC-30

	Extracellular enzymes	KCC-30
1	Alkaline phosphatase	++
2	Esterase (C ₄)	+++
3	Esterase lipase (C ₈)	++
4	Lipase (C ₁₄)	++
5	Leucine arylamidase	++
6	Valine arylamidase	++
7	Cystine arylamidase	+
8	Trypsin	+++
9	α -Chymotrypsin	++
10	Acid phosphatase	+++
11	Naphthol-AS-biphosphohydrolase	+++
12	α -Galactosidase	++
13	β -Galactosidase	+++
14	β -Glucuronidase	++
15	α -Glucosidase	+++
16	β -Glucosidase	+++
17	N-Acetyl- β -glucosaminidase	+
18	α -Mannosidase	++
19	α -Fucosidase	++

+, Weak production: ++; Moderate production: +++; Strong production

Antibiotic Sensitivity Test of KCC-30

The screening of antibiotic sensitivity was tested by disc diffusion method as described in our previous paper (Arasu et al. 2014).

Table 2

Antibiotic sensitivity analysis of KCC30

S. No	Name of Antibiotics	Concentration(μ g)	KCC-30
1	Chloramphenicol (C)	50	S
2	Kanamycin (K)	30	S
3	Nitrofurantoin (NIT)	50	R
4	Tetracycline (TE)	100	S
5	Streptomycin (S)	25	S
6	Sulphafurazole (SF)	300	S
7	Colistin methane sulphonate (CL)	100	S
8	Dicloxacillin (D/C)	1	R
9	Ampicillin (AMP)	10	S
10	Amikacin (AK)	30	S
11	Gentamicin (GEN)	10	S
12	Cefoxitin (CX)	30	R
13	Cefalexin (CN)	30	S
14	Cefuroxime (CXM)	30	S
15	Co-Trimoxazole (COT)	25	R

Susceptible= S: R=Resistant