

Test Report

Application No : 2012KF0137

I . Materials and Method

Test strains: TA97, TA98, TA100, TA102; these four strains are chosen from test, to make sure all of them fit request.

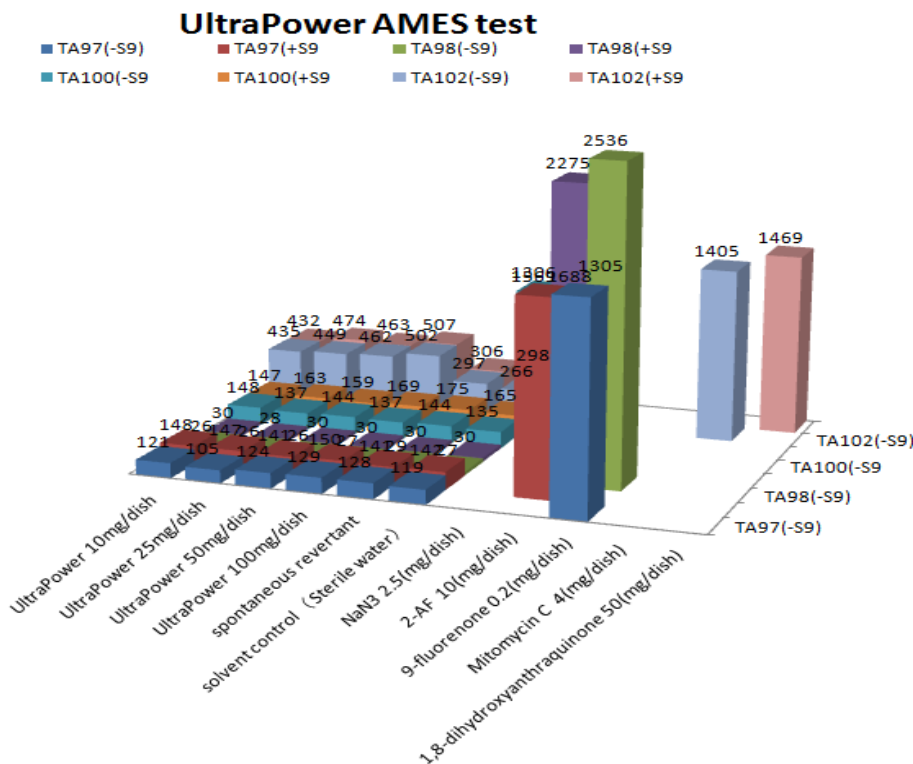
Metabolic activation system: Phenobarbital sodium and β -naphthoflavone are mixed with induced liver homogenate. And adding correspond co-factors as in vitro metabolic system.(S9)

Test material: Red liquid. Preparation is the same as urgent oral toxic test. Apply on test after sterilizing by G6 filter.

Ames plate incorporation method: Add 0.1ml bacterial liquid of test strains, 0.1ml test materials, and 0.5ml S9(when metabolism is activated) into top agarosa, mix gently and spread on bottom culturing plate. According to results of toxicity tests, test materials are set to four groups: 10.0, 25.0, 50.0, 100.0 mg/dish, 3 plate for one group. And spontaneous revertant, solvent control, positive control are set up. After incubating 48 hours at 37°C, count revertant colony in each dish. If revertant colonies of test materials are two times more than revertant colonies of solvent, which is treated as control, and there is dose-dependent reation. Then it will be judged as positive.

II Result

Revertant colonies of AMES test strains(average \pm standard deviation)



III. Conclusion

This test material is applied on Histidine-defected rat typhoid salmonella TA97, TA98, TA100 and TA102. There is no data indicating that induced mutant was observed, no matter by applying directly or after activating metabolism.

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