

Simmons

11/10/86

Aime

Sam Simon

Substrate

TA ~~98~~ ⁹⁸

~ used

ST TA 98 for cigarette smoke (base pair mutation)

DNA - base pairs; pt. mutants

Most carcinogens are NOT direct acting
(i.e. vinylchloride) liver converts
to an active form

Part of cell that converts
to microsomes ^{metabolism system} carry out
of the ^(molecule) - to make
compounds are H₂O sol,
excretion process
thru urine

~ metabolism process may
produce comp. which are
mutagen or cancer.

S 9 Fraction
not liver cells

→ homogenize → centrifuge
@ 9000 G

Evaluate
compounds
produced

Use this
suspension to
test compounds to
see if activation occurs
Control ~~Test~~ Test

Supernatant
contains
mitosomes