

not utilize Thymine, 5-CH₃uracil, 5-formyluracil or uracil (because mutant is a transport mutant for free pyrimidine bases). The strain does use Thymidine (a nucleoside).

Mutant effect can be especially noted in Westergaard - Mitchell medium, a medium which normally permits efficient utilization of free pyrimidine bases.

8/8/72

Compound	1	2	3
min	1	1	1
uracil	2	4+	5
uridine	2	4+	5
5-OHCH ₃ -uracil	1+	1	1
2-deoxyuridine	1-	1	2
2-deoxycytidine	1-	1	2+
cytosine	1-	1	1
thymidine	1-	1	1
thymine	1-	1	2
cytidine	1+	4	4
adenosine	1-	1	1

Parental

WESTERGARD-MITCHELL MEDIUM

1.0g

DATE

NAME

GROUP

EXPERIMENT

RESULTS

DISCUSSION

CONCLUSION