

Salmonella.

nutrition
mutants
recombination.

use sugar utilization; era selecting component??

E. coli.

conditions: chloral, salt, serum, time factor.

3 x a-b- expts.

BTL, B, TL, B, BT,

can be done
three ways.

Basis of non-random recombination.....

determination of linkage relations of T₁
complementary classes using other phages
phage stocks

4 C₂ sets B, B₁, T, L... + resistant to T₃.

Develop stocks for B₁ linkage.

Biochemical linkages.

selection, modifications of reactions.

reciprocal stocks. (use B, B T L).

develop other characters which can be put into any
stocks: phage res., penicillin (Tuffus), salt resistance,
sugar fermentation; citrate; other C-sources.

Tests for plasmagne hypothesis for discontinuous analysis.

sugar reactions (vide Bourne).

examine "prototrophs" more critically for further
segregation, etc. (use phage also). excess substr.

Other coli stocks - try L-15.

Aerobacter

Yeast mutants.

(Proteus). (B. subtilis - Buchholder)

Genetic analysis of reverse mutations.

look for partial
prototrophs:
e.g. *Thiomargarita*