

Diagram and typescript text referenced as "Bacterial transformations"

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BACTERIAL TRANSFORMATIONS.

TYPE I PNEUMOCOCCUS
UNENCAPSULATED (ROUGH)
R STRAIN



'R'

TYPE III PNEUMOCOCCUS
ENCAPSULATED (SMOOTH)
S STRAIN



'S'

HEAT-KILLED CELLS OF S WHEN ADDED TO R
PRODUCE ENCAPSULATED TYPE III CELLS. THE
BACTERIAL-TRANSFORMING PRINCIPLE HAS BEEN
ISOLATED AND SHOWN TO BE DNA. IT CAN BE
RECOGNISED IN A FINAL DILUTION OF $1:6 \times 10^8$.
(GRIFFITH, DAWSON, ALLOWAY, AVERY, MACCARTY
AND MACLEOD).