

Reference : ANTI.



2 strains, 4 antibiotics

Cognitive objectives:

These kits show the diversity of efficacy of antibiotic action on bacterial species.

Handling is safe for students: the bacteria used are non-pathogenic and antibiotics are provided on paper disc.

Proposed activity:

The bacteria are cultured on a nutrient agar, the antibiotic discs are deposited on the agar. The antibiotics will diffuse around the discs and form a concentration gradient in the agar. The resistance of each strain to the different antibiotics can be studied by measuring the inhibition diameters around the discs.

Common composition:

- 1L of Columbia pouring medium
- 66 Petri dishes
- 20 inoculators
- A MacFarland standard

Technical and educational instructions available on our website.

Conservation: 1 month at 4° C

Transplanting of the strains on reception and every 8 days.

Reference	Composition	No. of pairs of students
ANTI.	<ul style="list-style-type: none"> • 40 paires compte-gouttes • 2 souches bactériennes sur boîte (E. coli, Bacillus megatérium) • 4 x 50 disques antibiotiques (Ampicilline, Pénicilline, Tétracycline, Acide nalidixique) 	25