



MODIFICATION OF CLINICAL CATEGORIES OF ANTIBIOGRAMS

In its drive for continuous improvement, Bionext is updating its antibiogram reports to bring them in line with the latest European recommendations (EUCAST). These result in changes to the interpretation of the susceptibility of bacteria to antibiotics.

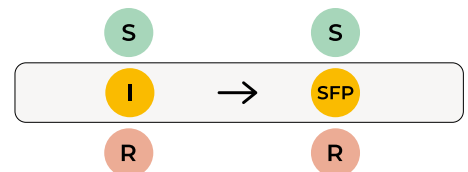
Understanding the new categories system is essential for selecting the best treatment for the patient and thus combating antibiotic resistance by avoiding the use of broad-spectrum antimicrobials.

Changes

Until now, results were reported in the form Susceptible (S), Intermediate (I) or Resistant (R). Intermediate results are now to be removed from reports. That category is replaced by a new one:

SUSCEPTIBLE INCREASED EXPOSURE (SFP)

SFP: abbreviation on the report result for "Sensible à Forte Posologie" in French



Definition of categories for antibiograms

Susceptible **S**

High likelihood of therapeutic success:

- At **normal exposure**
- Oral or systemic treatment

Susceptible increased exposure **(SFP)**

High likelihood of therapeutic success:

- **ONLY** with **increased exposure**
- or if the antibiotic is concentrated at the infection site

Resistant **R**

High likelihood of therapeutic failure:

- Regardless of the type of treatment
- Regardless of the dose

For a urinary tract infection without complications (cystitis), substances with predominant urinary elimination (e.g. fluoroquinolones) classified as "Susceptible, increased exposure" may be used at standard doses, because the antibiotic is highly concentrated at the infection site.

Increased exposure per os

Below is a summary table of standard and increased exposure according to the latest EUCAST recommendations for antibiotics administered **per os**, to adult patients, away from renal or hepatic failure.

Antibiotic	Standard exposure daily	Increased exposure daily
Beta lactam		
Amoxicillin	500 mg x3	1000 mg x3
Amoxicillin – clavulanic acid	Amoxicillin 500 mg Clavulanic acid 125 mg } x3	Amoxicillin 875 mg Clavulanic acid 125 mg } x3
Cefuroxime	250 mg x2	500 mg x2
Quinolones		
Ciprofloxacin	500 mg x2	750 mg x2
Levofloxacin	500 mg x1	500 mg x2
Ofloxacin	200 mg x2	400 mg x2
Macrolides		
Azithromycin	500 mg x1	Not applicable
Clarithromycin	250 mg x2	250 mg x2
Erythromycin	500 mg x2 - 4	500 mg x2 - 4
Cyclines		
Doxycycline	100 mg x1	100 mg x1 - 2
Other		
Trimethoprim – Sulfamethoxazole	Trimethoprim 160 mg Sulfamethoxazole 800 mg } x2	Trimethoprim 240 mg Sulfamethoxazole 1200 mg } x2

In practice

- A substance classified under SFP may be prescribed by adapting the dose
- A comment explaining the change is provided on each antibiogram report
- For more information:
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Key point

- ✓ Susceptible increased exposure: (SFP)
The efficacy is similar if the exposure is adapted

