

**Table 4.** Outcome of the stepwise assessment of antibiotic substances/(sub)classes

Antimicrobial substance/(sub)class	Criterion A	Criterion B	Criterion C
Natural, narrow spectrum penicillins (beta-lactamase-sensitive penicillins)	No	N/A	N/A
<b>Antistaphylococcal penicillins (beta-lactamase-resistant penicillins)</b>	Yes	Yes	<b>No</b>
Aminopenicillins, without beta-lactamase inhibitors	No	N/A	N/A
<b>Aminopenicillins in combination with beta-lactamase inhibitors</b>	Yes	Yes	<b>No</b>
Aminopenicillins	No	N/A	N/A
Carboxypenicillins and ureidopenicillins, including their combinations with beta-lactamase inhibitors	Yes	Yes	Yes
<b>1st- and 2nd-generation cephalosporins, and cephameycins</b>	Yes	Yes	<b>No</b>
<b>3rd- and 4th-generation cephalosporins, except combinations with beta-lactamase inhibitors</b>	Yes	Yes	<b>No</b>
Ceftobiprole, Ceftaroline	Yes	Yes	Yes
Combinations of cephalosporins and beta-lactamase inhibitors	Yes	Yes	Yes
Siderophore cephalosporins	Yes	Yes	Yes
Carbapenems, including carbapenems with beta-lactamase inhibitors	Yes	Yes	Yes
Penems	Yes	Yes	Yes
Monobactams	Yes	Yes	Yes
<b>Polymyxins</b>	Yes	Yes	<b>No</b>
Cyclic polypeptides	No	N/A	N/A
Phosphonic acid derivatives	Yes	Yes	Yes
Glycopeptides	Yes	Yes	Yes
Lipopeptides	Yes	Yes	Yes
Oxazolidinones	Yes	Yes	Yes
Pleuromutilins	No	N/A	N/A
<b>Macrolides</b>	Yes	Yes	<b>No</b>
Macrocycles	Yes	Yes	Yes
Ketolides	No	N/A	N/A
Lincosamides	No	N/A	N/A
Streptogramins	No	N/A	N/A
<b>Aminoglycosides</b>	Yes	Yes	<b>No</b>
Plazomicin	Yes	Yes	Yes
Aminocyclitols	No	N/A	N/A
Tetracyclines	No	N/A	N/A
Glycylcyclines	Yes	Yes	Yes
Minocycline	No	N/A	N/A
Eravacycline (fluorocycline)	Yes	Yes	Yes
Omadacycline	Yes	Yes	Yes
Amphenicols	No	N/A	N/A
Sulfonamides	No	N/A	N/A
Trimethoprim and derivatives	No	N/A	N/A
<b>Sulfonamides-trimethoprim derivatives</b>	Yes	Yes	<b>No</b>
Quinolones (non-fluorinated)	No	N/A	N/A
<b>Fluoroquinolones</b>	Yes	Yes	<b>No</b>
Nitrofurans derivatives	No	N/A	N/A
<b>Nitroimidazoles</b>	Yes	Yes	<b>No</b>
<b>Rifamycins</b>	Yes	Yes	<b>No</b>
Substances used solely to treat tuberculosis or other mycobacterial diseases	Yes	No	N/A
Riminenazoles	Yes	No	N/A
Sulfones	Yes	No	N/A
<b>Pseudomonic acids</b>	Yes	Yes	<b>No</b>
Steroid antibacterials	No	N/A	N/A
Bicyclomycin (Bicozamycin)	No	N/A	N/A
Orthosomycins/Oligosaccharides	No	N/A	N/A
Quinoxalines	No	N/A	N/A
Thiopeptides	No	N/A	N/A
Phosphoglycolipids/Moenomycins	No	N/A	N/A
Elfamycins	No	N/A	N/A
Aminocoumarins	No	N/A	N/A

Yes - Criterion met

No - Criterion not met

N/A - Criterion not assessed

The highlighted antibiotic classes/substances are recommended to be designated for human use. The evaluations for each class/substance against the criteria are presented in Section 3.1., including the supporting references.