

10. Antibiotics

Antibiotics

Ampicillin Sodium salt

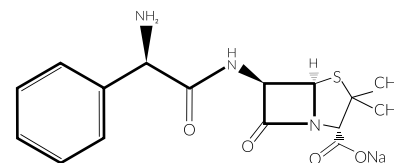
Ordering info:

Cat No.	Size
AB001	10 g
AB002	25 g



Specifications:

CAS No: 69-52-3
MDL No: MFCD00064313
Chemical Formula: C₁₆H₁₈N₃O₄SNa
Molecular Weight: 371.39
pH: 8.0 - 10.0
Water content: >2.0%



Chloramphenicol

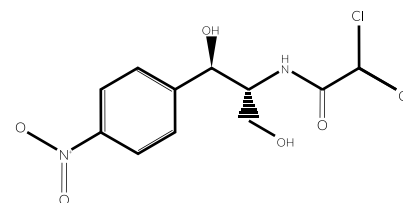
Ordering info:

Cat No.	Size
AB003	25 g
AB004	50 g



Specifications:

CAS Number: 56-75-7
Chemical Formula: C₁₁H₁₂Cl₂N₂O₅
Molecular Weight: 323.13
Appearance: White or slightly yellow
Assay: 98.0~102.0%
Loss on drying: >0.5%



Kanamycin Sulphate

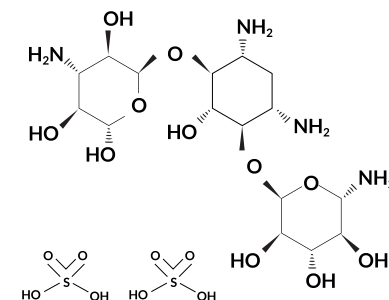
Ordering info:

Cat No.	Size
AB005	5 g
AB006	25 g



Specifications:

CAS Number: 25389-94-0
Chemical Formula: C₁₈H₃₆N₄
Molecular Weight: 582.58
Appearance: White to off-white crystalline powder
Loss on drying: >2%
Potency: <750 µg/mg



Carbenicillin Disodium

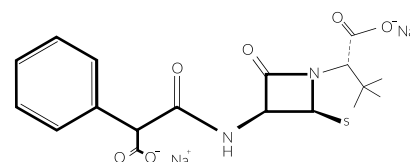
Ordering info:

Cat No.	Size
AB007	1 g
AB008	5 g



Specifications:

CAS Number: 4800-94-6
Chemical Formula: C₁₇H₁₄N₂Na₂O₆S
Molecular Weight: 422.36
Appearance: White to pale yellow powder
Purity (on dried basis): <90%
Water content: >5%



Tetracycline Hydrochloride

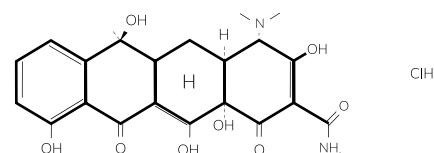
Ordering info:

Cat No.	Size
AB009	25 g
AB010	50 g



Specifications:

CAS Number: 64-75-5
Chemical Formula: C₂₂H₂₅ClN₂O₈
Molecular Weight: 480.90
Appearance: Yellow powder
Potency: <950 µg/mg
Specific optical rotation: -240 to -255°



Gentamicin Sulphate

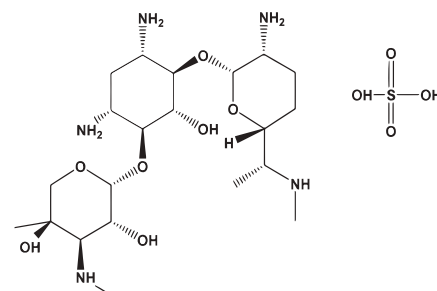
Ordering info:

Cat No.	Size
AB011	5 g
AB012	10 g



Specifications:

CAS Number: 1405-41-0
Chemical Formula: $C_{20}H_{37}N_5O_{10}S$
Loss on drying: >18%
Appearance: White or slightly yellow
Activity anhydrous basis: <590 ug/mg
Gentamicin content: C1a: 10 - 35%
Gentamicin content: C2+C2a: 25 - 55%
Gentamicin content: C1: 25 - 50%
pH: 3.5 - 5.5
Molecular Weight: 1488,79



Neomycin

Ordering info:

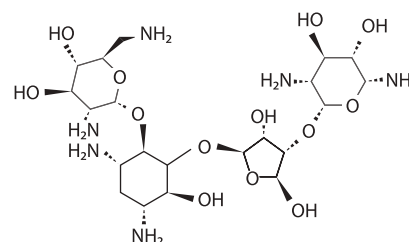
Powder format	
Cat No.	Size
AB018	1 g
AB019	5 g

Ready-to-use format	
Cat No.	Size
AB021	10 mL
AB022	50 mL



Specifications:

Formula: $C_{23}H_{46}N_6O_{13} \cdot xH_2SO_4$
Molecular weight: 614.7 (Base)
Potency: min. 680
pH (1% in H₂O): 5.0 - 7.5
Sulfate (%): 27.0 - 31.0
Origin : microbiological fermentation
Sulfated ash: <1.0



Puromycin dihydrochloride

Ordering info:

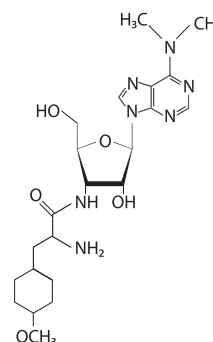
Powder format	
Cat No.	Size
AB024	1 g
AB025	5 g

Ready-to-use format	
Cat No.	Size
AB027	10 mL
AB028	50 mL



Specifications:

CAS Number: 58-58-2
Chemical Formula: $C_{22}H_{29}N_7O_5 \cdot 2HCl$
Molecular Weight: 544.44
Purity (HPLC): > 98%



Hygromycin

Ordering info:

Powder format	
Cat No.	Size
AB030	1 g
AB031	5 g

Ready-to-use format	
Cat No.	Size
AB033	10 mL
AB034	50 mL



Specifications:

CAS Number: 31282-04-9
Chemical Formula: $C_{20}H_{37}N_3O_{13}$
Molecular Weight: 527.52
Purity (HPLC): > 92%
Potency: > 1,000 U/mg

