

MIXING INSTRUCTIONS & SET TIME CHART

Note:

- The veterinary surgeon is responsible for determining antibiotic type and dosage to be used. Antibiotic is not included in kit.
- Four mixing techniques are provided for optimal mixing of commonly used powdered and liquid antibiotics:
 - 1 Standard - Powder
 - 2 Standard - Liquid
 - 3 Non-Standard - Powder
 - 4 Non-Standard - Liquid
- To ensure proper mixing, prepare required materials and calculate dosage prior to beginning.
- A Set Time Chart is provided to specify recommended mixing technique for commonly used antibiotics.



Set Time Chart:

Antibiotic	Mixing Technique	Approximate Set Time*
Amikacin** (500mg)	Non-Standard - Liquid	50 Minutes**
Gentamicin (160mg-400mg)	Standard – Liquid	20 Minutes
Vancomycin (500mg-1g)	Standard – Powder	10 Minutes
Cefazolin (500mg-1g)	Non-Standard – Powder	15 Minutes
Tobramycin (500mg-1g)	Non-Standard – Powder	35 Minutes
Ceftazidime (500mg-1g)	Non-Standard – Powder	25 Minutes
Meropenem (500mg-1g)	Non-Standard – Powder	25 Minutes
Ampicillin/Sulbactam (750mg)	Non-Standard – Powder	30 Minutes
Ceftiofur (500mg)	Non-Standard – Powder	30 Minutes
Amphotericin B (50mg)	Non-Standard – Powder	95 Minutes

* Set times vary based on type and dosage of antibiotic. It is therefore advisable to prepare beads allowing for adequate set time.

** 50 minute set time is based on 2ml of liquid amikacin (250mg/ml) and 2ml of Mixing Solution. If 4ml of liquid amikacin (250mg/ml) is mixed (no Mixing Solution required), set time will be approximately 4 hours.

MIXING INSTRUCTIONS

STANDARD

Powder



1

Empty KERRIER powder into mixing bowl



2

Add antibiotic powder to mixing bowl and combine



3

Add mixing solution (4ml saline) to mixing bowl



4

Use mixing tool to stir until paste is formed



5

Use mixing tool to spread paste into either 3mm or 5mm cavities of bead mold mat



6

Allow to set, then flex mold mat to release beads



7

Compress bead between thumb and finger to ensure fully set

Liquid



CAUTION: A total of 4ml of liquid is required to mix KERRIER powder to a paste. Combinations of liquid antibiotics and mixing solution (saline) must equal 4ml.



1

Empty KERRIER powder into mixing bowl



2

Add liquid antibiotic to mixing bowl



3

If needed, add additional mixing solution (saline) to equal a total of 4ml of liquid to mixing bowl



4

Use mixing tool to stir until paste is formed



5

Use mixing tool to spread paste into either 3mm or 5mm cavities of bead mat



6

Allow to set, then flex mold mat to release beads



7

Compress bead between thumb and finger to ensure fully set

NON-STANDARD MIXING INSTRUCTIONS

NOTE: For slow setting antibiotics (example: Amikacin), a Non-Standard technique should be used to accelerate set time. Mixing KERRIER powder with mixing solution (saline) first without antibiotic, will jump start the setting process – accelerating set time.

Powder



1

Empty KERRIER powder into mixing bowl



2

Add mixing solution (4ml saline) to mixing bowl



3

Use mixing tool to stir for 60 seconds



4

Add antibiotic powder to mixing bowl



5

Use mixing tool to stir for 30 seconds until paste formed



6

Use mixing tool to spread paste into either 3mm or 5mm cavities of bead mat



7

Allow to set, then flex mold mat to release beads



8

Compress bead between thumb and finger to ensure fully set

Liquid



CAUTION: A total of 4ml of liquid is required to mix KERRIER powder to a paste. Combinations of liquid antibiotics and mixing solution (saline) must equal 4ml.



1

Empty KERRIER powder into mixing bowl



2

Determine volume of liquid antibiotic to be used



3

If needed, calculate amount of mixing solution (saline) needed to equal the required 4ml of total liquid



4

Add calculated amount of mixing solution (saline) to mixing bowl (without antibiotic) and stir thoroughly for 60 seconds



5

Add liquid antibiotic to mixing bowl and stir for 30 seconds until a paste is formed



6

Use mixing tool to spread paste into either 3mm or 5mm cavities of bead mat



7

Allow to set, then flex mold mat to release beads



8

Compress bead between thumb and finger to ensure fully set