OSARTIS

PerOssal®

Product Guide





*The dosage recommendation relates to the in vitro results, as well as to the results obtained within the scope of clinical testing. The treating physician is responsible for the final decision regarding the type and quantity of the corresponding antibiotic. The contraindications of the applied antibiotic have to be considered.



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Package sizes & bulk volume

PerOssal® is indicated for filling or reconstruction of bone defects and is available in the following package sizes:

6 pellets ≙ 1.5 cm³ bulk volume 1x6



2x6



1x50

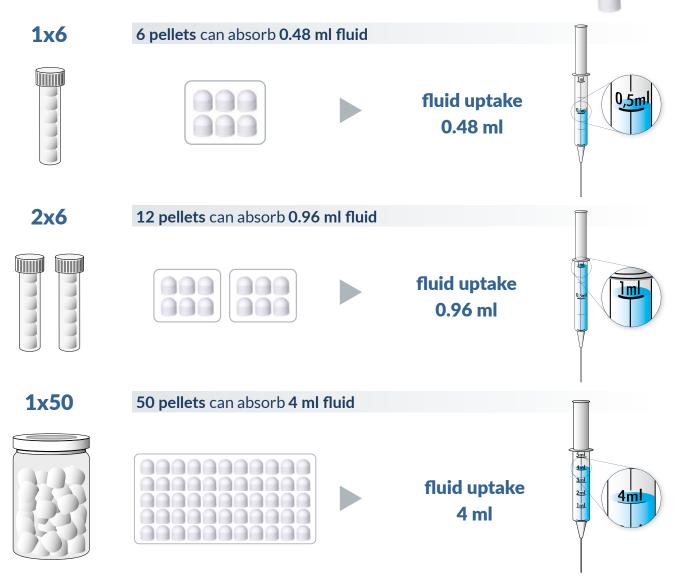


Note: 1 pellet \triangleq 0.25 cm³



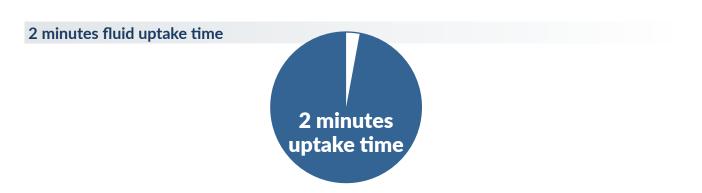
Fluid uptake

PerOssal® are cylindrical pellets measuring 6 mm x 6 mm, with one spherical and one flat end. PerOssal® has a porous structure that allows the safe absorption of aqueous solutions. The fluid uptake is 0.08 ml/pellet.



Preparation time

PerOssal® is »Ready to Use« as soon as the fluid is completely absorbed (after approx. 2 minutes).





Dosage recommendation* for antibiotic load based on antibiotic products available in the market

Antibiotic solution

Various antibiotics are provided as solutions and are therefore ready to use. According to the dosage recommendations from the manufacturer (see IFU) the antibiotic solution can be used immediately for drenching of the pellets.

For instance:



Antibiotic powder

Some antibiotics are provided as powder. As PerOssal® is a carrier for fluid substances, the powder has to be dissolved in a fluid** before drenching of the pellets. Please follow the Instructions for Use enclosed with the antibiotic powder.

For instance:



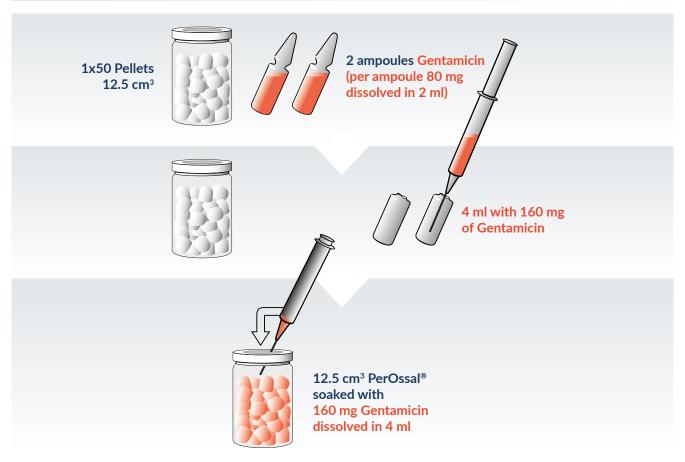
^{*} The dosage recommendation relates to the in vitro results, as well as to the results obtained within the scope of clinical testing. The treating physician is responsible for the final decision regarding the type and quantity of the corresponding antibiotic. The contraindications of the applied antibiotic have to be considered.

^{**}e.g. sterile water for injection purposes (aqua ad iniectabilia)





Example: Gentamicin with PerOssal® 1x50



Gentamicin

	1x50 pellets	2x50 pellets	3x50 pellets
Bulk volume	12.5 cm ³	25 cm ³	37.5cm^3
Amount of antibiotic	160 mg	320 mg	480 mg
Volume of antibiotic solution	4 ml	8 ml	12 ml



Tobramycin

	1x50 pellets	2x50 pellets	3x50 pellets
Bulk volume	12.5 cm ³	25 cm ³	37.5 cm ³
Amount of antibiotic	160 mg	320 mg	480 mg
Volume of antibiotic solution	4 ml	8 ml	12 ml



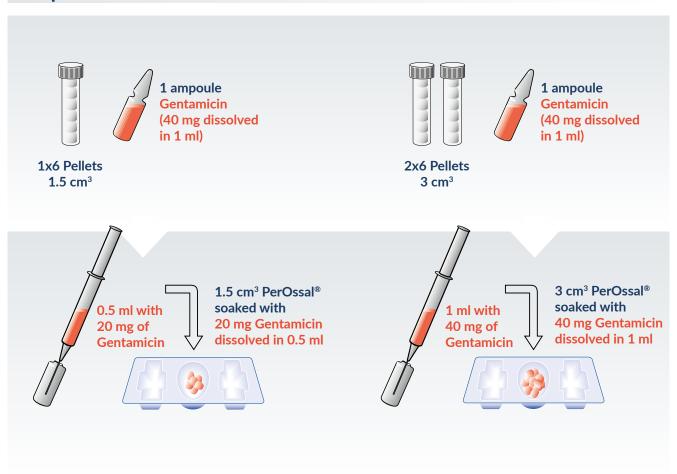




Antibiotic solution (Single application)

Dosage recommendation*

Example: Gentamicin with PerOssal® 1x6 or 2x6



Gentamicin

	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³
Amount of antibiotic	20 mg	40 mg	60 mg	80 mg
Volume of antibiotic solution	0.5 ml	1 ml	1.5 ml	2 ml



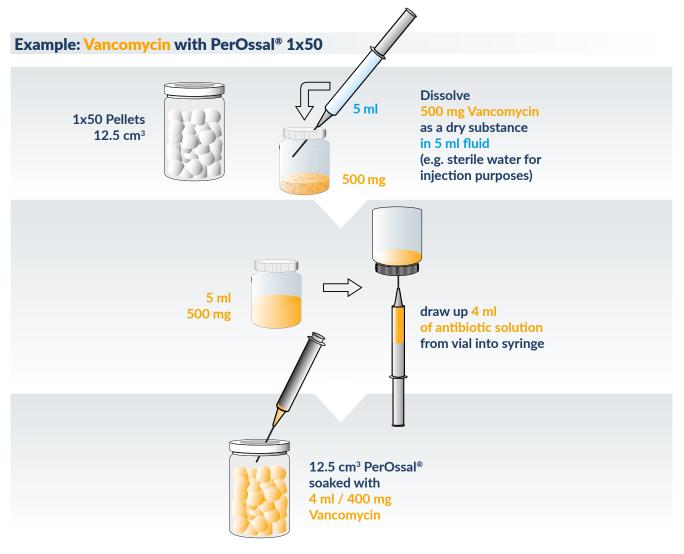
Tobramycin

	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³
Amount of antibiotic	20 mg	40 mg	60 mg	80 mg
Volume of antibiotic solution	0.5 ml	1 ml	1.5 ml	2 ml









Vancomycin

	1x50 pellets	2x50 pellets
Bulk volume	12.5 cm ³	25 cm ³
Amount of antibiotic	400 mg	800 mg
Volume of antibiotic solution	4 ml	8 ml



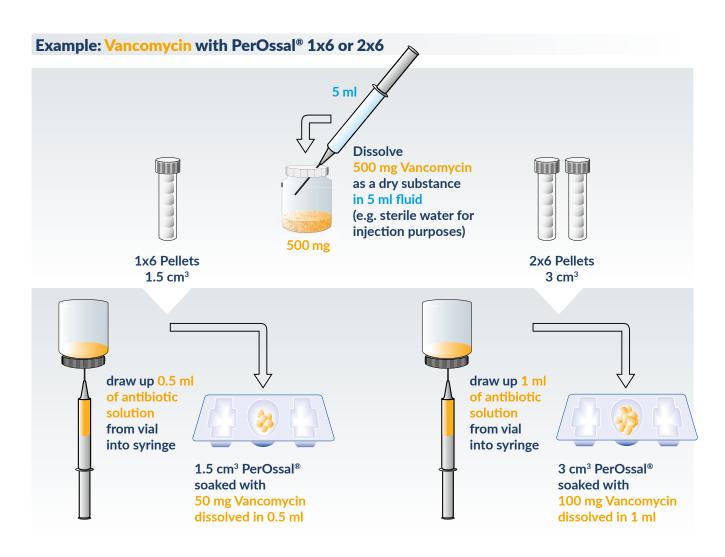
Vancomycin

	1x50 pellets	2x50 pellets	3x50 pellets	4x50 pellets	5x50 pellets
Bulk volume	12.5 cm ³	25 cm ³	37.5 cm ³	$50\mathrm{cm}^3$	62.5 cm^3
Amount of antibiotic	200 mg	400 mg	600 mg	800 mg	1000 mg
Volume of antibiotic solution	4 ml	8 ml	12 ml	16 ml	20 ml





Antibiotic powder (Single application) Dosage recommendation*



Vancomycin

	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³
Amount of antibiotic	50 mg	100 mg	150 mg	200 mg
Volume of antibiotic solution	0.5 ml	1 ml	1.5 ml	2 ml



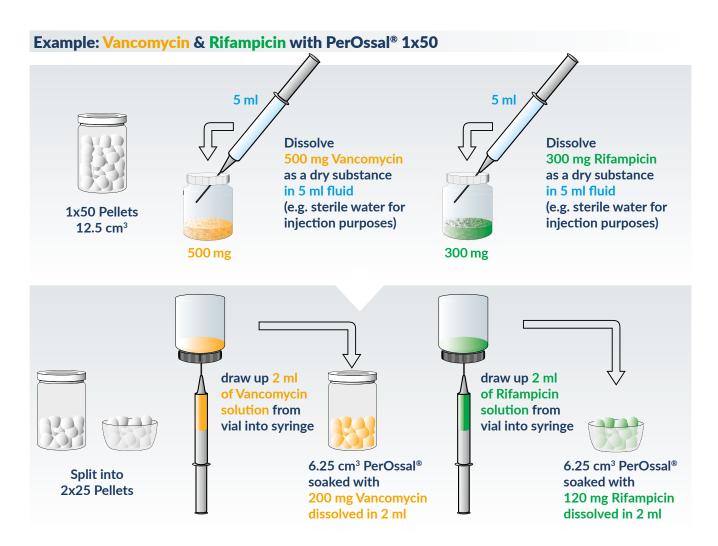
Vancomycin

	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³
Amount of antibiotic	25 mg	50 mg	75 mg	100 mg
Volume of antibiotic solution	0.5 ml	1 ml	1.5 ml	2 ml





Antibiotic powder (Combined application) Dosage recommendation*



Vancomycin & Rifampicin

	1x50 pellets	2x50 pellets	3x50 pellets	4x50 pellets	5x50 pellets
Bulk volume	12.5 cm ³	25 cm ³	37.5 cm ³	50 cm ³	62.5 cm ³
Amount of Vancomycin	200 mg in 2 ml	400 mg in 4 ml	400 mg in 4 ml	800 mg in 8 ml	800 mg in 8 ml
	on 25 pellets	on 50 pellets	on 50 pellets	on 100 pellets	on 100 pellets
Amount of Rifampicin	120 mg in 2 ml	240 mg in 4 ml	480 mg in 8 ml	480 mg in 8 ml	720 mg in 12 ml
	on 25 pellets	on 50 pellets	on 100 pellets	on 100 pellets	on 150 pellets

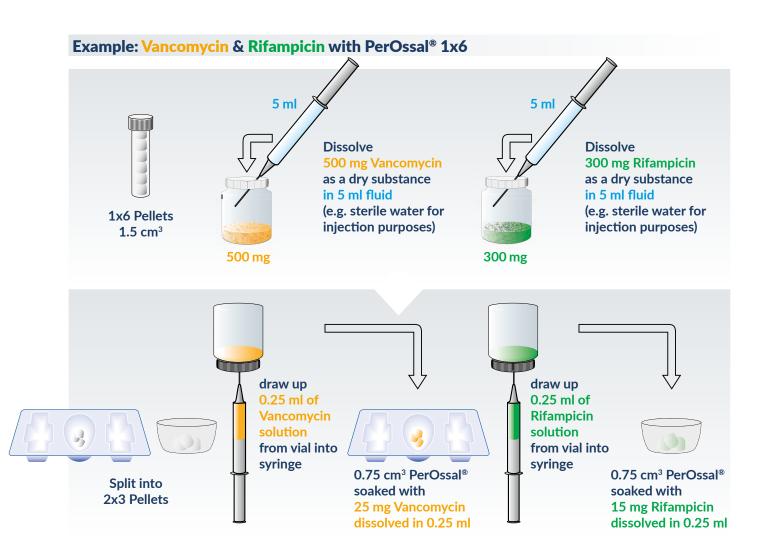






Antibiotic powder (Combined application)

Dosage recommendation*



Vancomycin & Rifampicin

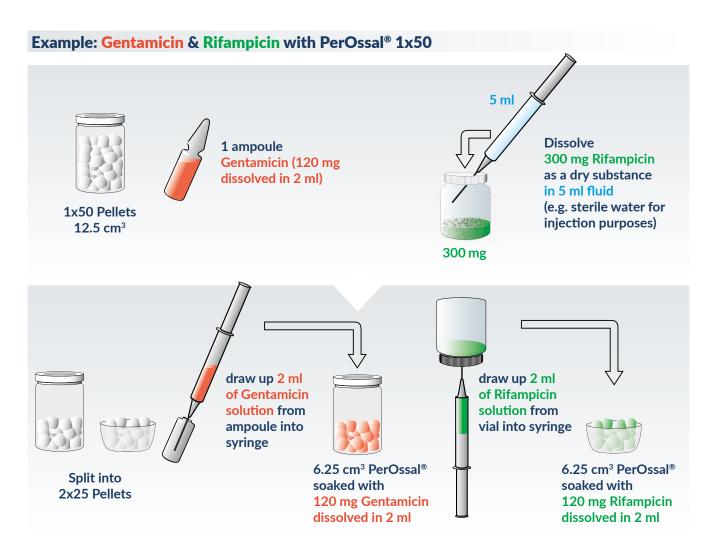
	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets	5x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³	7.5 cm ³
Amount of Vancomycin	25 mg in 0.25	50 mg in 0.5 ml	75 mg in 0.75	100 mg in 1 ml	125 mg in 1.25
	ml on 3 pellets	on 6 pellets	ml on 9 pellets	on 12 pellets	ml on 15 pellets
Amount of	15 mg in 0.25	30 mg in 0.5 ml	45 mg in 0.75	60 mg in 1 ml	75 mg in 1.25 ml
Rifampicin	ml on 3 pellets	on 6 pellets	ml on 9 pellets	on 12 pellets	on 15 pellets











Gentamicin & Rifampicin

	1x50 pellets	2x50 pellets	3x50 pellets	4x50 pellets	5x50 pellets
Bulk volume	12.5 cm ³	25 cm ³	37.5 cm ³	50 cm ³	62.5 cm ³
Amount of	120 mg in 2 ml	240 mg in 4 ml	240 mg in 4 ml	480 mg in 8 ml	480 mg in 8 ml
Gentamicin	on 25 pellets	on 50 pellets	on 50 pellets	on 100 pellets	on 100 pellets
Amount of Rifampicin	120 mg in 2 ml	240 mg in 4 ml	480 mg in 8 ml	480 mg in 8 ml	720 mg in 12 ml
	on 25 pellets	on 50 pellets	on 100 pellets	on 100 pellets	on 150 pellets

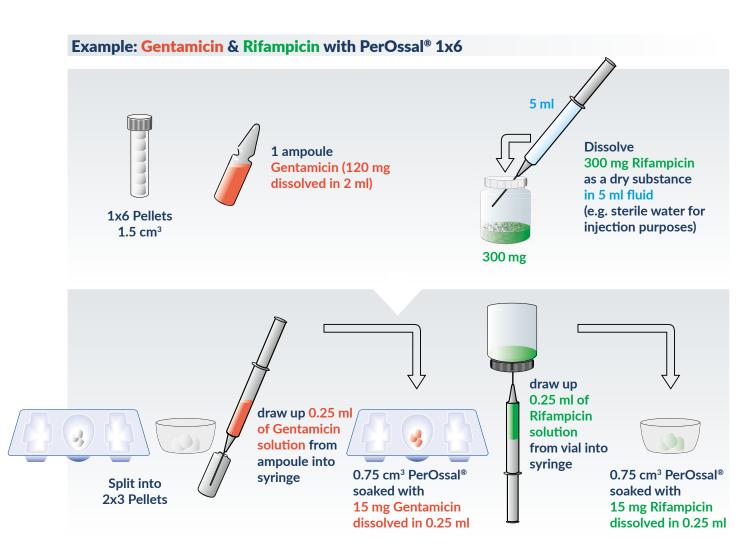






Antibiotic solution & powder (Combined application)

Dosage recommendation*



Gentamicin & Rifampicin

	1x6 pellets	2x6 pellets	3x6 pellets	4x6 pellets	5x6 pellets
Bulk volume	1.5 cm ³	3 cm ³	4.5 cm ³	6 cm ³	7.5 cm ³
Amount of	15 mg in 0.25	30 mg in 0.5 ml	45 mg in 0.75	60 mg in 1 ml	75 mg in 1.25 ml
Gentamicin	ml on 3 pellets	on 6 pellets	ml on 9 pellets	on 12 pellets	on 15 pellets
Amount of	15 mg in 0.25	30 mg in 0.5 ml	45 mg in 0.75	60 mg in 1 ml	75 mg in 1.25 ml
Rifampicin	ml on 3 pellets	on 6 pellets	ml on 9 pellets	on 12 pellets	on 15 pellets







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Note

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