

**DADD description**

# **DANMAP 2014**

DANMAP 2014 - Use of antimicrobial agents and occurrence  
of antimicrobial resistance in bacteria from food animals,  
food and humans in Denmark



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## Criteria for the definition of defined animal daily doses (DADD) in DANMAP 2014

In DANMAP we want to compare consumption of antimicrobials between different animal populations and between veterinary and human sectors. In order to do this we need to take into account the quantity of antimicrobials used, their potency, their formulation, the route of administration and – sometimes – the age of the animals in which they are used. We also need to know the size of the populations to which the antimicrobials are administered.

In DANMAP 2014, we use defined animal daily doses (DADDs) that are harmonised so products with the same active compound, strength and dispensing form all have the same dose, even if higher doses are listed in the approved Summary of Product Characteristics (SPC). Thus the animal daily doses currently listed in the VetStat database (ADDs) and the DADDs used in DANMAP 2014 are not in full compliance; however adjustments of the VetStat ADDs are being implemented. See Textbox 9.1 for further description of this issue.

The basic principles for the DADD are similar to the principles previously described for the ADD. The designation of the DADD is based on the VetStat ADDs, but re-defined for each group of antimicrobial agents, i.e. for each combination of active compound, administration route, formulation, considering the following principles:

1. Minor inconsistencies, e.g. due to rounding of numbers, have been corrected;
2. Approved dosage for the most widely used antimicrobial products were given priority above dosage for products that are rarely used;
3. Approved dosage for older products within the group are maintained as the common DADD even if a new product is approved with a higher dosage;
4. In determining the dosage for a group with large variation between approved dosages of the products, the dosages in accordance with the dose given in "The Veterinary Formulary" [British Veterinary Association, 2005, 6th edition] are applied;
5. Dosages may vary within active compound and administration route, if different dosages have been approved for different age group/indication or formulation.

When principle 2 and 3 are conflicting, principle 4 is applied.

### DADD - Defined animal daily dose

DADD is the average maintenance dose per day for a drug used for its main indication in the appropriate animal species. The DADD is not defined at product level but for each antimicrobial agent, administration route and animal species and when appropriate, also age group. DADD has been specifically defined for use in DANMAP and does not always completely match the "prescribed daily dose" or the recommended dosage in the Summaries of Product Characteristics (SPC).

## DADD for pigs - DANMAP Defined Animal Daily Dose

DANMAP 2014

ATCvet code	Active compound	Administration route	Pharmaceutical form	DADD (mg/kg)
QA07AA01	Neomycin	Peroralt	soluble powder	14.0
			solution	85.0
QA07AA06	Paromomycin	Peroralt	soluble powder	22.8
QA07AA10	Colistin	Peroralt	soluble powder	3.3
			oral solution	3.3
QA07AA90	Dihydrostreptomycin	Peroralt	soluble tablet	25.0
QA07AA91	Gentamicinsulfat	Peroralt	oral powder	2.0
QA07AA92	Apramycin	Peroralt	premix	5.0
			soluble powder	10.0
			oral powder	5.0
QJ01BA90	Florfenicol	Parenteralt	injection	7.5
		Peroralt	solution	10.0
			oral solution	10.0
			oral powder	10.0
QJ01BA99	Florfenicol	Parenteralt	injection	7.5
QJ01CA01	Ampicillin	Parenteralt	injection	15.0
QJ01CA04	Amoxicillin	Parenteralt	injection	15.0
		Peroralt	premix	15.0
			soluble powder	17.5
			oral powder	15.0
QJ01CE01	Benzylpenicillin kalium	Parenteralt	injection	9.4
QJ01CE02	Phenoxymethylpenicillin	Peroralt	soluble powder	10.0
QJ01CE09	Benzylpenicillinprocain	Parenteralt	injection	15.0
QJ01CE90	Benzylpenicillin	Parenteralt	injection	8.9
QJ01CR02	Amoxicillin	Parenteralt	injection	7.0
		Peroralt	soluble powder	20.0
	Clavulansyre	Parenteralt	injection	1.8
		Peroralt	soluble powder	5.0
QJ01DD90	Ceftiofur	Parenteralt	injection	3.0
			injection-prolonged	1.0
QJ01DE90	Cefquinom	Parenteralt	injection	2.0
QJ01EW10	Sulfadiazin	Parenteralt	injection	13.3
		Peroralt	boli	25.0
			premix	25.0
			oral powder	25.0
	Trimethoprim	Parenteralt	injection	2.7
		Peroralt	boli	5.0
			premix	5.0
			oral powder	5.0
QJ01EW11	Sulfametoxazol	Peroralt	oral solution	21.0
	Trimethoprim	Peroralt	oral solution	4.2
QJ01EW13	Sulfadoxin	Parenteralt	injection	13.4
	Trimethoprim	Parenteralt	injection	2.7
QJ01EW14	Sulfatroxazol	Parenteralt	injection	13.4
	Trimethoprim	Parenteralt	injection	2.7
QJ01FA02	Spiramycin	Parenteralt	injection	10.0
QJ01FA90	Tylosin	Parenteralt	injection	6.6
		Peroralt	premix	4.0
			soluble powder	8.3
			oral powder	4.0

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**DADD for pigs - DANMAP Defined Animal Daily Dose - continued**

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ATCvet code	Active compound	Administration route	Pharmaceutical form	DADD (mg/kg)	
QJ01FA92	Acetylisovaleryltylosin	Peroralt	premix	4.3	
			oral solution	16.0	
			oral powder	16.0	
QJ01FA92	Acetylisovaleryltylosin	Peroralt	premix	4.3	
			soluble powder	5.0	
			oral powder	4.3	
QJ01FA94	Tulathromycin	Parenteralt	injection	0.5	
QJ01FA95	Gamithromycin	Parenteralt	injection	1.2	
QJ01FA96	Tildipirosin	Parenteralt	injection	0.8	
QJ01FF02	Lincomycin	Parenteralt	injection	10.0	
			Peroralt	premix	5.0
				soluble powder	10.0
QJ01FF52	Lincomycin	Parenteralt	injection	7.5	
		Peroralt	premix	2.5	
			soluble powder	3.3	
	Spectinomycin	Parenteralt	injection	15.0	
		Peroralt	premix	2.5	
			soluble powder	6.7	
QJ01GB03	Gentamicin	Peroralt	solution	2.5	
QJ01MA90	Enrofloxacin	Parenteralt	injection	3.7	
			Peroralt	premix	3.8
				tablet	3.8
				mixture	3.8
QJ01MA92	Danofloxacin	Parenteralt	injection	1.9	
QJ01MA93	Marbofloxacin	Parenteralt	injection	2.0	
QJ01RA01	Benzylpenicillinprocain	Parenteralt	injection	10.0	
			Dihydrostreptomycin	injection	10.0
					12.5
QJ01RV01	Benzylpenicillinprocain	Parenteralt	injection	10.0	
			Dihydrostreptomycin	12.5	
QJ01XQ01	Tiamulin	Parenteralt	injection	10.9	
			Peroralt	premix	5.0
				soluble powder	7.0
				oral solution	7.0
				oral powder	5.0
QJ01XQ02	Valnemulin	Peroralt	premix	3.5	
QJ01AA02	Doxycyclin	Peroralt	premix	12.5	
			soluble powder	12.5	
			oral solution	12.5	
			oral powder	12.5	
QJ01AA03	Chlortetracyclin	Peroralt	oral powder	20.0	
QJ01AA06	Oxytetracyclin	Parenteralt	injection	7.5	
			Peroralt	soluble powder	20.0
QP51AG04	Sulfaclozin	Peroralt	soluble powder	36.0	