

Table 30.2. Intramammary preparations available for lactating cows in the United States.

Drug Name and Class	Product Name	Label Regimen and Indications	Other Label Claims
Amoxicillin Aminopenicillin	Amoxi-Mast (Merck Animal Health)	3 treatments at 12-hour intervals Subclinical <i>S. aureus</i> mastitis	Susceptibility shown by <i>E. coli in vitro</i> Most <i>Enterobacter</i> , <i>Klebsiella</i> , and <i>Pseudomonas</i> resistant
Ceftiofur third-generation cephalosporin	Spectramast (Zoetis)	Subclinical <i>S. agalactiae</i> mastitis 2–8 treatments at 24-hour intervals Clinical coagulase-negative <i>Staphylococcus</i> mastitis	
Cephapirin first-generation cephalosporin	Today, Cefa-lak (Fort Dodge Animal Health)	Clinical <i>S. dysgalactiae</i> mastitis Clinical <i>E. coli</i> mastitis	
Cloxacillin penicillin (penicillinase-resistant)	Dariclox (Merck Animal Health)	2 treatments at a 12-hour interval Mastitis in lactating cows 3 treatments at 12-hour intervals	Shown to be efficacious against susceptible strains of <i>S. agalactiae</i> and <i>S. aureus</i> There is laboratory evidence that indicates cloxacillin is resistant to destruction by penicillinase-producing organisms
Erythromycin macrolide	¹ Gallimycin-36 (Agri-Labs) ² Gallimycin®-36 (Durvet)	Clinical <i>S. aureus</i> mastitis (non-penicillinase producing strains) Clinical <i>S. agalactiae</i> mastitis 3 treatments at 12-hour intervals	¹ Works against both acute and chronic cases
Hetacillin Aminopenicillin	Hetacin-K Intramammary Infusion (Fort Dodge Animal Health)	Clinical <i>S. aureus</i> mastitis Clinical <i>S. agalactiae</i> mastitis Clinical <i>S. dysgalactiae</i> mastitis Clinical <i>S. uberis</i> mastitis 3 treatments at 24-hour intervals Acute, chronic, or subclinical mastitis	Shown to be efficacious in treatment of mastitis in lactating cows caused by susceptible strains of <i>S. agalactiae</i> , <i>S. dysgalactiae</i> , <i>S. aureus</i> , and <i>E. coli</i>
Penicillin penicillin	Masti-Clear (G.C. Hanford)	Not more than 3 treatments at 12-hour intervals Clinical <i>S. agalactiae</i> mastitis Clinical <i>S. dysgalactiae</i> mastitis Clinical <i>S. uberis</i> mastitis	
Pirlimycin Lincosamide	Pirvus Aqueous Gel (Zoetis)	2 treatments at a 24-hour interval Clinical and subclinical mastitis	Has been proven effective only against <i>Staphylococcus</i> species such as <i>S. aureus</i> and <i>Streptococcus</i> species such as <i>S. dysgalactiae</i> and <i>S. uberis</i>

Note: Although every effort has been made to ensure that the information presented here is accurate and complete, the authors cannot bear responsibility for any errors or omissions. Readers are advised to contact drug manufacturers and/or read package inserts for complete information about the products listed herein.