

ROUTE OF ADMINISTRATION									
Injectable Viscosity	S Q Tented Technique (1/2 to 3/4 inch needles)			I M (3/4 to 1 inch needles)			I V (1 to 1 1/2 inch needles)		
	Cattle Weight								
	<300	300-600	>700	<300	300-600	>700	<300	300-600	>700
Thin (Most Vaccines)	18 gauge	18-16 gauge	16 gauge	20-18 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	16-14 gauge
Thick (Thick Antibiotics)	18-14* gauge	18-14* gauge	16-14* gauge	18-16 gauge	18-16 gauge	16 gauge	18-16 gauge	18-16 gauge	16-14 gauge



Funded by the Beef Checkoff



SELECT THE NEEDLE TO FIT THE CATTLE SIZE (USE THE SMALLEST PRACTICAL SIZE WITHOUT FEAR OF BENDING)

*Currently 14g needles are available in 3/4" length, should 1/2" or 5/8" become available they should be used.