

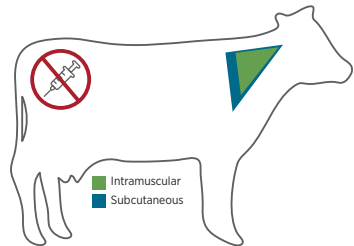
THE GOLDEN RULES OF VACCINATION



Vaccines are essential to protect animals against and avoid the risks and complications associated with infectious diseases. To optimize vaccination effectiveness, talk to your vet and pick out the vaccination program best suited for your calves and your breeding herd.

To ensure proper vaccination, you should:

- Handle, restrain and treat animals safely
- Use low-stress handling techniques
- Respect the right route of injection of your vet's script (ex. Intramuscular or Subcutaneous)



- Store vaccines in a cool area (between 2 and 7 degrees Celsius)
- Protect vaccines from overheating, freezing, or any temperature variations
- Select bottle sizes based on the number of animals to be vaccinated
- Each bottle should be single use
- Use reconstituted vaccines within 2 hours of its mix
- Use needles of the appropriate gauge and length for the right route of injection and animal:



Class of cattle	Route of Injection	Gauge	Needle length
Calves under 500 lb	Intramuscular	20-18	1 inch
	Subcutaneous	20-18	½ - ⅝ inch
Cattle over 500 lbs	Intramuscular	18-16	1 - 1 ½ inch
	Subcutaneous	18-16	½ - ¾ inch

- Check regularly that needles are not bent or dull to avoid breakage
- Change needle every 10 injections and dispose of used needles in a sharps container



- Clean syringes with hot distilled water after each use, then dry with absorbent paper
- Lubricate syringe plunger with silicone oil as required

Ask your vet to validate your procedure.



STRESS
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Reduces vaccination efficacy

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