

# HARRISVACCINES OFFERS THE FIRST RNA VACCINES FOR SWINE.



## This new class of vaccines will change the way you manage herd health

With our proprietary **SirraVax<sup>sm</sup>** RNA Particle (RP) Technology, we can deliver a herd-specific vaccine in just 4-6 weeks using only a gene from a virus in an infected animal.

### The first USDA-licensed RP vaccines

- 1) We apply the same technology to build Swine Influenza Vaccine, RNA – the first USDA-licensed RNA vaccine
- 2) USDA approved Autogenous Vaccine, RNA
- 3) Newly USDA approved Porcine Epidemic Diarrhea Vaccine, RNA

### RNA vaccines offer more herd health options – added flexibility.

Advantages such as rapid response and added safety deliver health management options.

- Herd-specific and novel vaccines delivered in four to six weeks or less!
- Combine multiple strains of any pathogen into one vaccine, including:
  - Porcine Epidemic Diarrhea Virus (original and variant strains)
  - Rotavirus A, B, and/or C
  - Swine Influenza (all subtypes)
  - Porcine Reproductive and Respiratory Syndrome Virus (NA and EU)
  - Swine Dysentery
  - Clostridium difficile
  - Clostridium perfringens (A and C)
- Differentiating from infected and vaccinated animals (DIVA-compliant)
- No unnecessary adjuvants

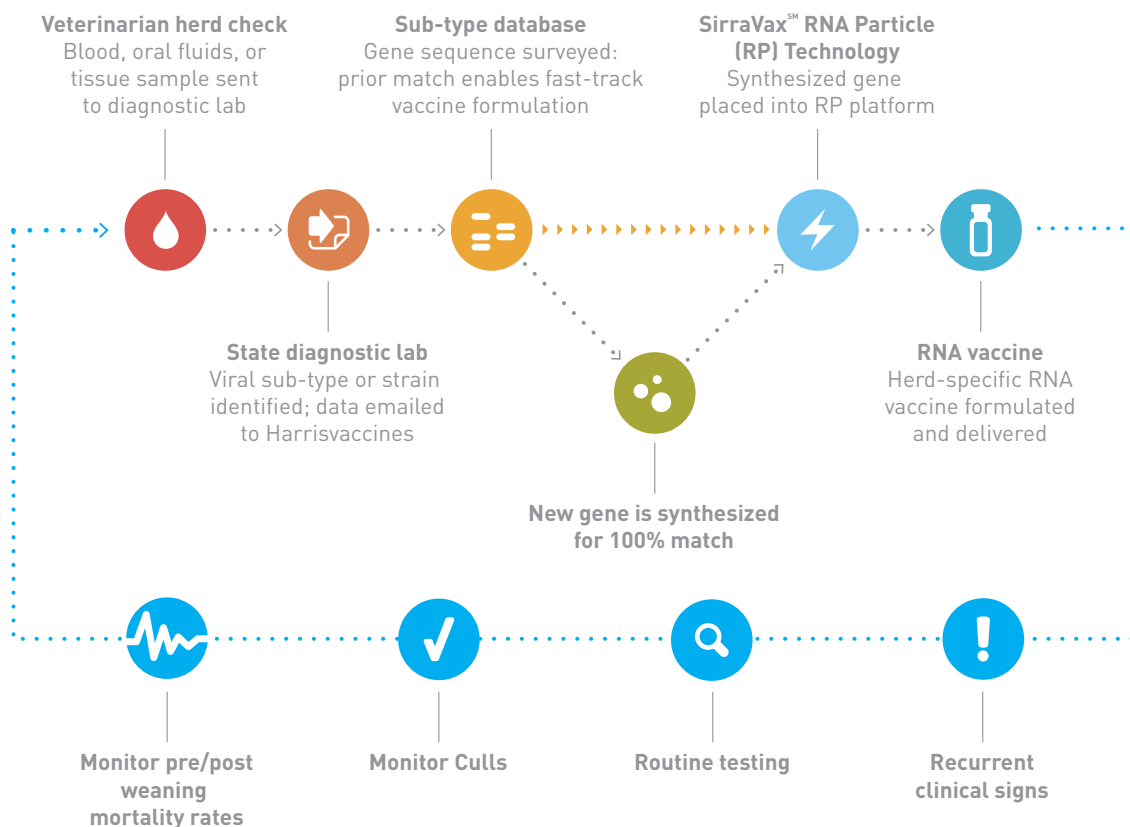
	Traditional Vaccines			RNA Platform Vaccines
	Killed Virus	Modified Live	Extract	Particle (RP)
Antibodies	+	+	+	+
Cellular Immunity	-	+	-	+
May Cause Disease	-	+	-	-
Must Grow Agent	+	+	+	-
Adjuvant Required	+	-	+	-
Rapid Response	-	-	-	+

## IT'S TIME TO RETHINK YOUR HERD HEALTH MANAGEMENT

Pathogen strains mutate quickly. The vaccine that worked last month might not work today. And now, with our rapid-response RNA vaccines, you can strike earlier by using an active management system to lower pre/post weaning mortality rates and culls.

Send us your most recent virus/pathogen sequence information from your D-lab report to evaluate homology against the strains in our deep and growing sub-type database at no charge.

### HARRISVACCINES Herd Health Monitoring



**HARRISVACCINES offers custom, rapid-response vaccines and active management strategies that improve the bottom line of your operation and effectively improve herd health more quickly, flexibly, and safely than any other vaccine brand.**

**LEARN MORE BY CALLING 515-296-3930.**

