

KSA Livestock Genetics Market Size, Share & Trends Analysis Report By Species (Ovine, Caprine, Bovine), By Genetic Material (Semen, Embryos, Live Breeding Animals) , By Technology, By End User, By Region, And Segment Forecasts, 2026 - 2033

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Abstracts

The KSA livestock genetics market size was valued at USD 207.1 million in 2025 and is projected to grow from USD 223.0 million in 2026 to USD 416.1 million by 2033, at a CAGR of 9.3% from 2026 to 2033. The growth of the market is owed to Vision 2030 mandates boosting genetic investment, ADF capital funds asset modernization, MEWA registration formalizing livestock traceability data, government programs localizing genomic breeding capability, dairy consolidation concentrating on commercial breeding demand, public-private partnerships lowering capital barriers.

The market is shaped by a convergence of state-directed food security policy and structural constraints tied to production system fragmentation. Vision 2030 mandates are boosting genetic investment by positioning domestic livestock improvement as a national priority, with capital funds from the Agricultural Development Fund supporting asset modernization across breeding centers and commercial farms. Mandatory MEWA registration is formalizing livestock traceability data, building the record-keeping foundation genetic programs require to scale beyond isolated pilots.

Government programs are localizing genomic breeding capability to reduce dependence on imported semen and embryos, while dairy consolidation is concentrating breeding demand among fewer, larger commercial operators, raising per-unit spending on genetics services. Public-private partnerships are lowering capital barriers for technology deployment at scale.

Growth is tempered by cold-chain deficiencies across nomadic and semi-nomadic herds, which restrict semen and embryo-based technologies to a limited share of the national flock. Anatomical complexity in small ruminants constrains embryo transfer and AI success rates, and consumer preference for traditional breeds moderates uptake in meat-focused segments, keeping adoption concentrated in organized cattle operations.

KSA Livestock Genetics Market Report Segmentation

This report forecasts revenue growth at a country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global KSA livestock genetics market report based on species, genetic material, technology, end user, and region:

Species Outlook (Revenue, USD Million, 2021 - 2033)

Ovine

Dairy

Meat

Caprine

Dairy

Meat

Bovine

Dairy

Meat

Genetic Material Outlook (Revenue, USD Million, 2021 - 2033)

Semen

Embryos

Live Breeding Animals

Oocytes/Genetic Samples

Technology Outlook (Revenue, USD Million, 2021 - 2033)

Artificial insemination (AI)

Embryo transfer (ET)

IVF technologies

Others

End User Outlook (Revenue, USD Million, 2021 - 2033)

Commercial Livestock Farms

Dairy Farms

Breeding Centers

Government Livestock Authorities

Veterinary Institutions

Universities and Research Centers

Regional Outlook (Revenue, USD Million, 2021 - 2033)

Riyadh

Qassim

Eastern Province

Western Region

Northern Livestock Belt

Rest of Saudi Arabia

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