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Singapore clears Aleph Farms' cultivated beef for commercial sale

06 August 2026 | News

Israeli food technology company secures regulatory clearance for its hybrid cultivated beef product, with restaurant launches planned in Singapore in 2027 through a regional manufacturing partnership

ALEPH FARMS
MEAT GROWERS

Aleph Farms has secured regulatory approval from the Singapore Food Agency (SFA) to commercially market its cultivated beef, marking another milestone for the emerging cellular agriculture industry and strengthening Singapore's position as a global launchpad for novel food technologies. The authorization covers the company's Aleph Cuts Thin-Cut Steak, a hybrid cultivated meat product that combines cultivated Black Angus cattle cells with a plant-based matrix made from soy and wheat proteins. Commercial introductions are expected to begin through selected restaurant partners during the first half of 2027, subject to production readiness and supply chain preparations.

The approval represents a significant step in Aleph Farms' international commercialization strategy, coming nearly four years after the company submitted its regulatory dossier. Singapore now becomes the second market, after Israel, to authorize the company's cultivated beef, reinforcing the city-state's reputation as one of the world's most progressive regulatory environments for alternative proteins. Rather than building dedicated production facilities in every market, Aleph Farms is pursuing an asset-light manufacturing model centered on regional partnerships. The company has established Singapore as its Asia-Pacific hub and is collaborating with contract manufacturer Cell Agritech to produce cultivated beef for regional markets, allowing it to scale operations while limiting capital investment.

The hybrid formulation also reflects a pragmatic commercial strategy. By combining cultivated animal cells with plant-derived ingredients, the company can reduce the amount of cultivated biomass required per serving while leveraging plant proteins to deliver texture and structure. At the same time, the formulation introduces additional considerations around allergen labeling, product consistency and sensory performance that will be central to consumer acceptance. Singapore's novel food regulatory framework requires companies to demonstrate the safety of both the production process and the final product before commercialization. Regulatory assessments evaluate factors including toxicity, allergenicity, manufacturing methods and anticipated dietary exposure, meaning future production modifications that materially alter the approved process could require additional regulatory review.

While the regulatory milestone removes a key barrier to commercialization, significant operational challenges remain before cultivated beef reaches broader consumer markets. Scaling production requires consistent cell cultivation, robust quality systems, validated manufacturing processes and reliable cold-chain logistics, alongside the economic challenge of reducing production costs to commercially competitive levels. Restaurant launches provide an important first commercialization pathway by allowing companies to introduce limited volumes under controlled conditions while collecting customer feedback and refining production processes. Aleph Farms has indicated that initial production volumes will remain relatively modest before manufacturing capacity expands over the following years.

The company has not disclosed production capacity, pricing or launch partners for its Singapore debut. However, the phased rollout reflects the broader reality facing the cultivated meat industry, where regulatory approvals increasingly represent the beginning of commercialization rather than its conclusion. As cultivated protein companies move from laboratory-scale innovation toward industrial food production, competitive advantage is shifting beyond regulatory success to manufacturing efficiency, cost optimization and supply-chain execution. Aleph Farms' progress in Singapore will ultimately be judged not only by regulatory milestones but by its ability to consistently deliver safe, high-quality cultivated beef at commercially viable scale across the Asia-Pacific region.