

Lab-grown meat given green light in Singapore

9th December, 2020



Singapore has approved the production, sale and consumption of meat manufactured in a lab. The lab-grown meat could be the start of a revolution in the way we eat. Despite the cultured meat coming from bioreactors in a laboratory, it is,

scientifically, real meat. To be more precise, it is chicken. The "chicken bites" look and taste like real chicken. The chicken is made by the U.S. company Eat Just. The "just" in the company's name is the adjective "just" (meaning "fair") rather than the adverb that means "only". Josh Tetrick, the Eat Just CEO, said no animals are killed to make the meat. This has the potential to transform the meat industry. It could also have an adverse impact on poultry and livestock farming.

Mr Tetrick believes Singapore's green light is just the start of a huge shake-up that will revolutionise meat manufacturing. He said: "I'm sure that our regulatory approval for cultured meat will be the first of many in...countries around the globe." He said lab-grown meat could lead to a huge reduction in the environmental impact of livestock production and thus change the world for the better. We could see disease-free meat, an end to the use of drugs in meat, and an end to animal cruelty. Tetrick added: "Cultured meat's role in creating a safer, more secure global food supply has...given rise to a steady increase in the application of animal cell culture technology...of food products."

Sources: mashed.com / foodsafetynews.com / metro.co.uk

Writing

Lab-grown meat will be better for us than killing animals for meat. Discuss.

Chat

Talk about these words from the article.

production / sale / consumption / lab-grown meat / chicken / adjective / animals / green light / shake-up / manufacturing / impact / livestock / drugs / food supply / cell

True / False

- a) The article says lab-grown meat could be revolutionary. T / F
- b) The lab-grown meat was created in bioreactors. T / F
- c) The lab-grown meat tastes like chicken but doesn't look like it. T / F
- d) A company CEO says lab-grown meat will not affect the poultry industry. T / F
- e) The company CEO says he needed to shake a green light. T / F
- f) The CEO said many other countries will get approval to grow meat. T / F
- g) The article says we will never see an end to animal cruelty. T / F
- h) There is less animal cell technology being used in food products today. T / F

Synonym Match

(The words in **bold** are from the news article.)

- | | |
|------------------------|-------------------|
| 1. approved | a. authentic |
| 2. revolution | b. constant |
| 3. real | c. unfavourable |
| 4. precise | d. thumbs up |
| 5. adverse | e. sea change |
| 6. green light | f. use |
| 7. shake-up | g. barbarity |
| 8. cruelty | h. rubber-stamped |
| 9. steady | i. restructuring |
| 10. application | j. accurate |

Discussion – Student A

- a) What do you think about what you read?
- b) How happy would you be if lab-grown meat was very cheap?
- c) Would you buy the lab-grown meat?
- d) What do you think of all our food being grown in a lab?
- e) Will this technology end animal cruelty?
- f) Do you worry about the drugs in our meat and other food?
- g) How will lab-grown meat help the global food supply?
- h) What questions would you like to ask the CEO of Eat Just?

Phrase Match

- | | |
|--|--------------------------------|
| 1. the production, sale and | a. of drugs in meat |
| 2. The lab-grown meat could be the start | b. transform the meat industry |
| 3. "just" in the company's name | c. livestock farming |
| 4. This has the potential to | d. increase |
| 5. an adverse impact on poultry and | e. start of a huge shake-up |
| 6. Singapore's green light is just the | f. consumption of meat |
| 7. regulatory | g. for the better |
| 8. change the world | h. is the adjective |
| 9. an end to the use | i. approval |
| 10. given rise to a steady | j. of a revolution |

Discussion – Student B

- What do you think of meat?
- Is it right to kill animals so we can eat meat?
- What do you think of the idea of lab-grown meat?
- Is lab-grown meat, for which no animals die, good for vegetarians?
- Do you think the lab-grown meat is really real chicken?
- What is "just" about the lab-grown chicken bites?
- How could this technology transform the meat industry?
- How could this technology adversely affect livestock farming?

Spelling

- Singapore has deppavor the production
- meat coming from etbocarioris
- in a atorbaloyr
- To be more peeirsc
- the taopnetli to transform the meat industry
- have an adverse impact on rloptuy
- our leryrutgoa approval
- meat iuracfnmatgun
- lead to a huge doucenirt
- impact of cevkoisl production
- an end to animal ytelruc
- the paoapliictn of animal cell culture

Answers – Synonym Match

1. h	2. e	3. a	4. j	5. c
6. d	7. i	8. g	9. b	10. f

Role Play

Role A – Beef

You think beef is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, avocado or bananas.

Role B – Tuna

You think tuna is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): beef, avocado or bananas.

Role C – Avocado

You think avocado is the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, beef or bananas.

Role D – Bananas

You think bananas are the best food. Tell the others three reasons why. Tell them what is wrong with their food. Also, tell the others which of these you like least (and why): tuna, avocado or beef.

Speaking – Food

Rank these with your partner. Put the best food we can eat at the top. Change partners often and share your rankings.

- | | |
|-----------|-----------|
| • Spinach | • Beef |
| • Avocado | • Chicken |
| • Nuts | • Tuna |
| • Rice | • Bananas |

Answers – True False

a	T	b	T	c	F	d	F	e	F	f	T	g	F	h	F
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Answers to Phrase Match and Spelling are in the text.