

EL SAL

EN EL PROCESO DE ESTERILIZACION

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ESTERILIDAD

The background image shows a laboratory environment with several large, stainless steel industrial autoclaves. The autoclaves are arranged in a row, and their doors are closed. The lighting is bright, reflecting off the metallic surfaces. The overall scene conveys a sense of a clean, controlled, and sterile environment.

*Ausencia total de
microorganismos viables*



“ABSOLUTO”





CONTEC **+**

SterileSorb™

STERILE

Made in the U.S.A.

Quality Through Innovation





*Ausencia total de
microorganismos*

*“En la práctica tal afirmación
no puede probarse”*

ESTERILIDAD

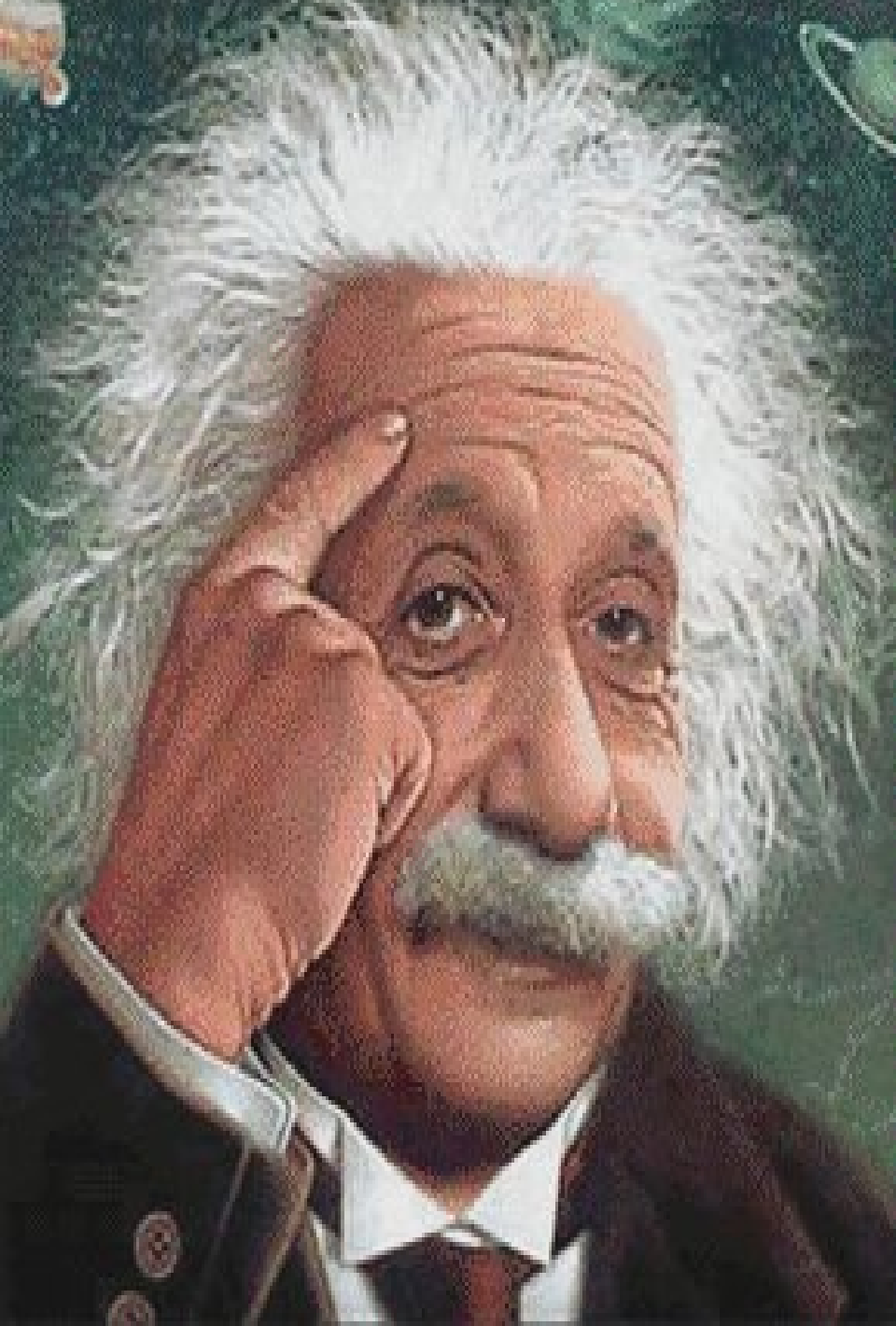
The background image shows a long, brightly lit aisle in a sterile environment, likely a pharmaceutical warehouse or a hospital's central supply room. On the right side, there are tall metal shelving units with multiple levels. These shelves are stocked with various medical supplies, including boxes, bags, and containers, some of which are labeled. The floor is a light-colored, polished surface, and the overall atmosphere is clean and professional.

Probabilidad de que un artículo no este contaminado





HIPOTESIS



METODO CIENTIFICO



$$1 + 1 = 2$$



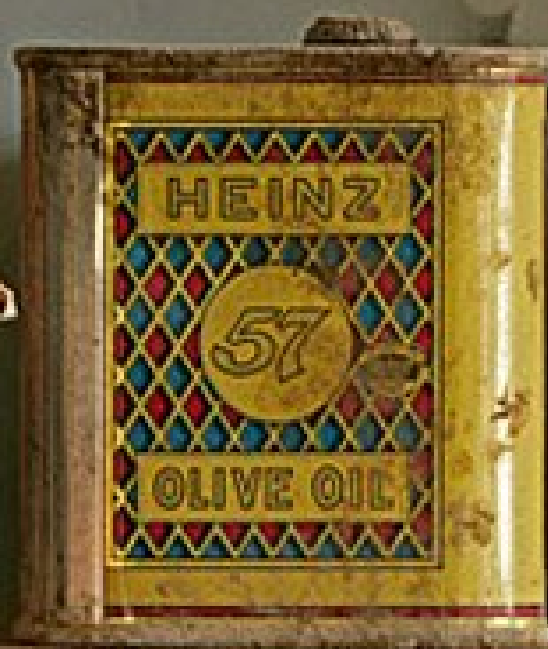
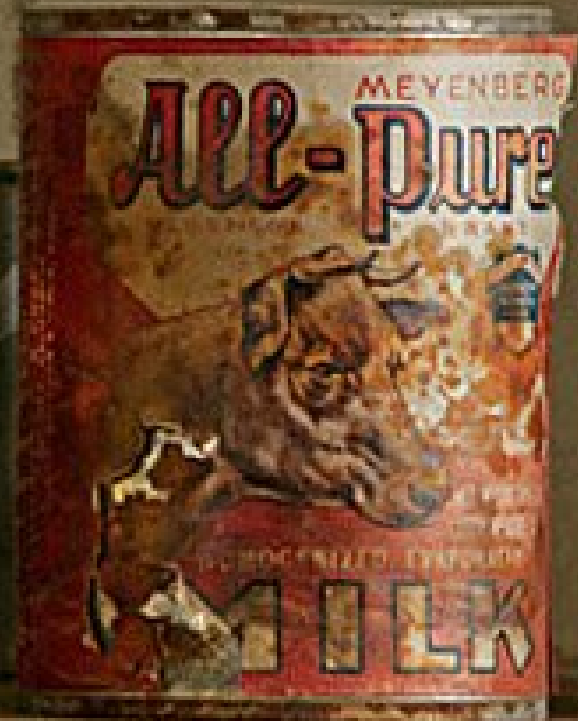




1900



BOTULISMO











FDA



1938





1906 - 1921

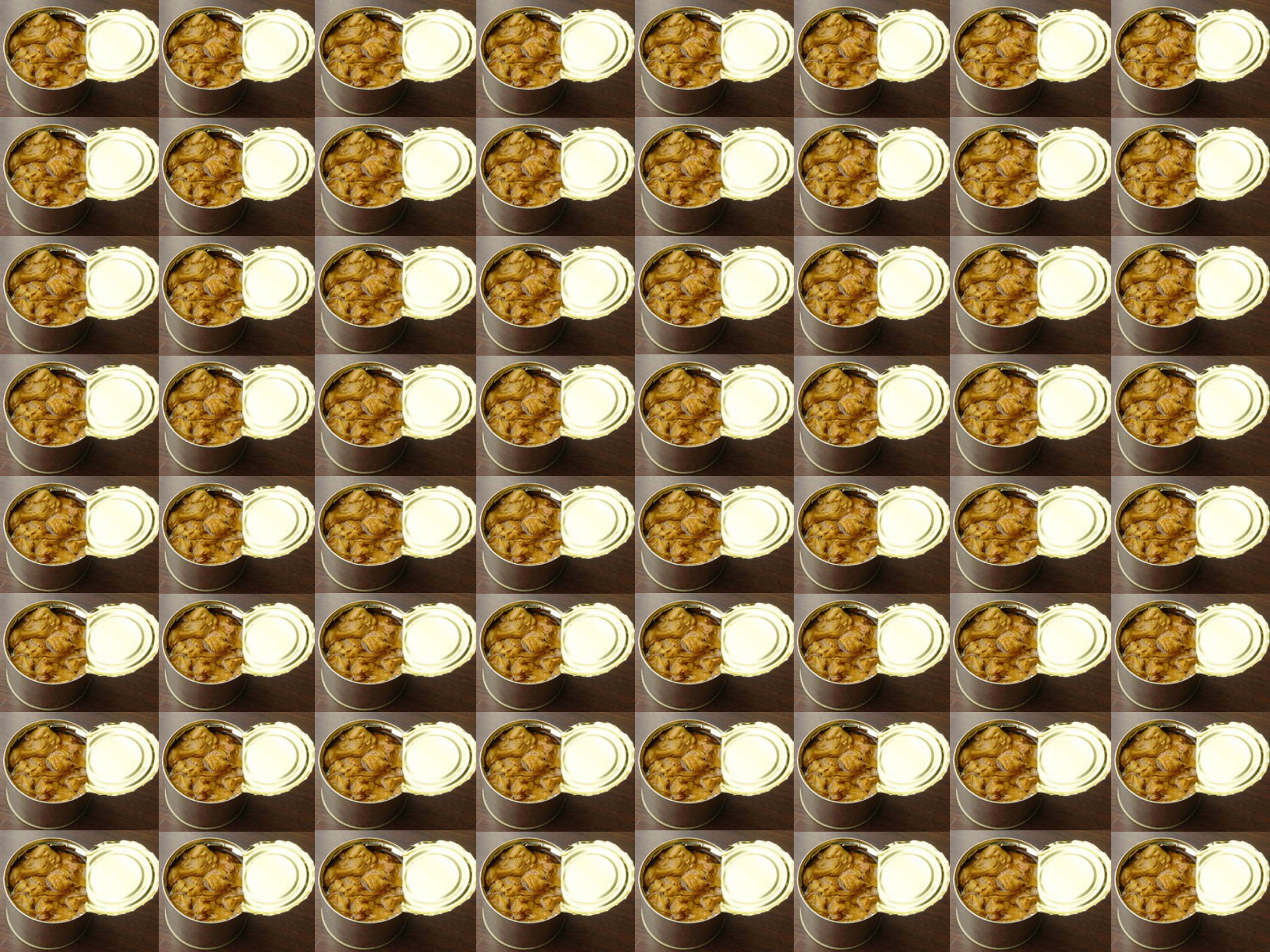












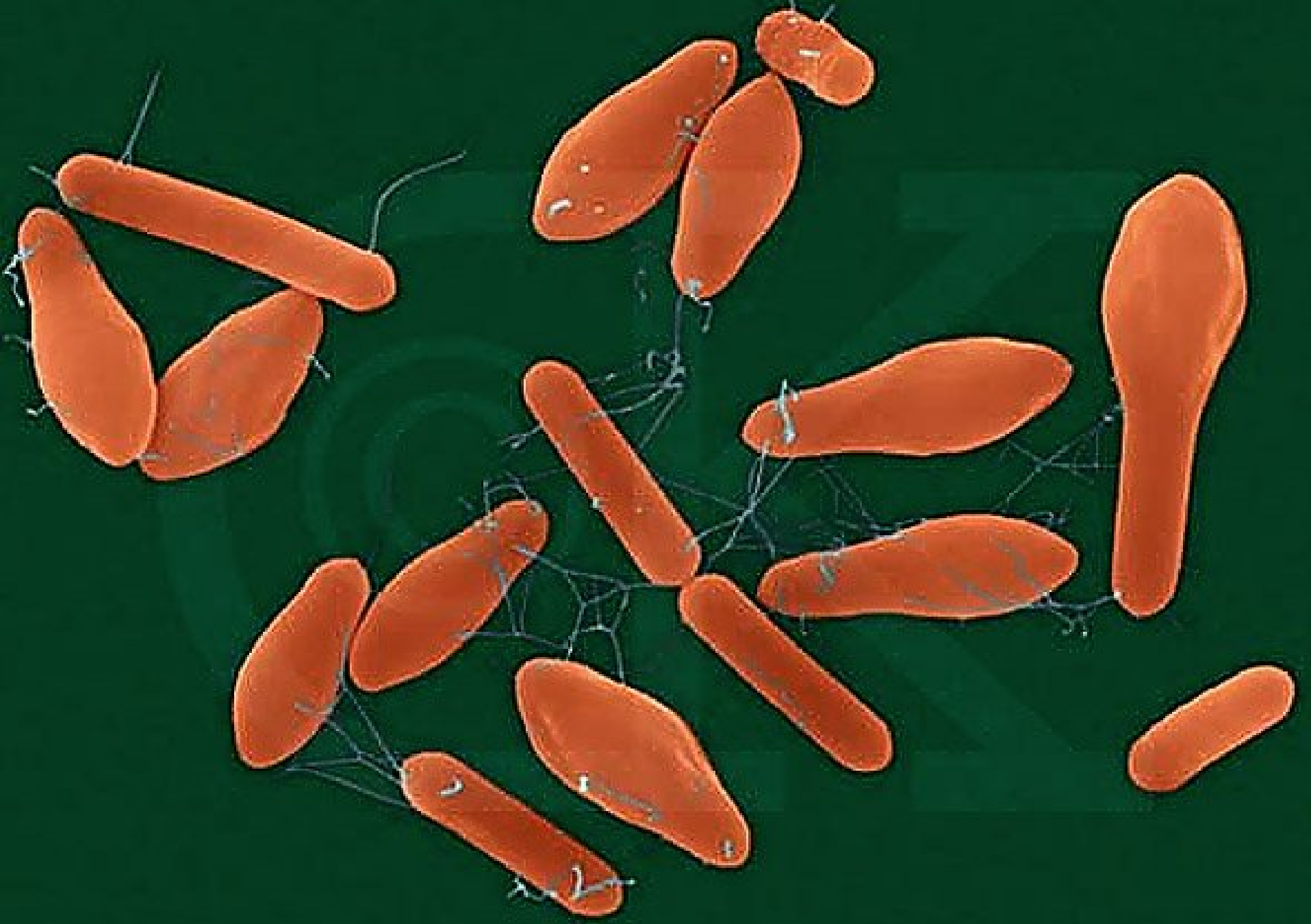








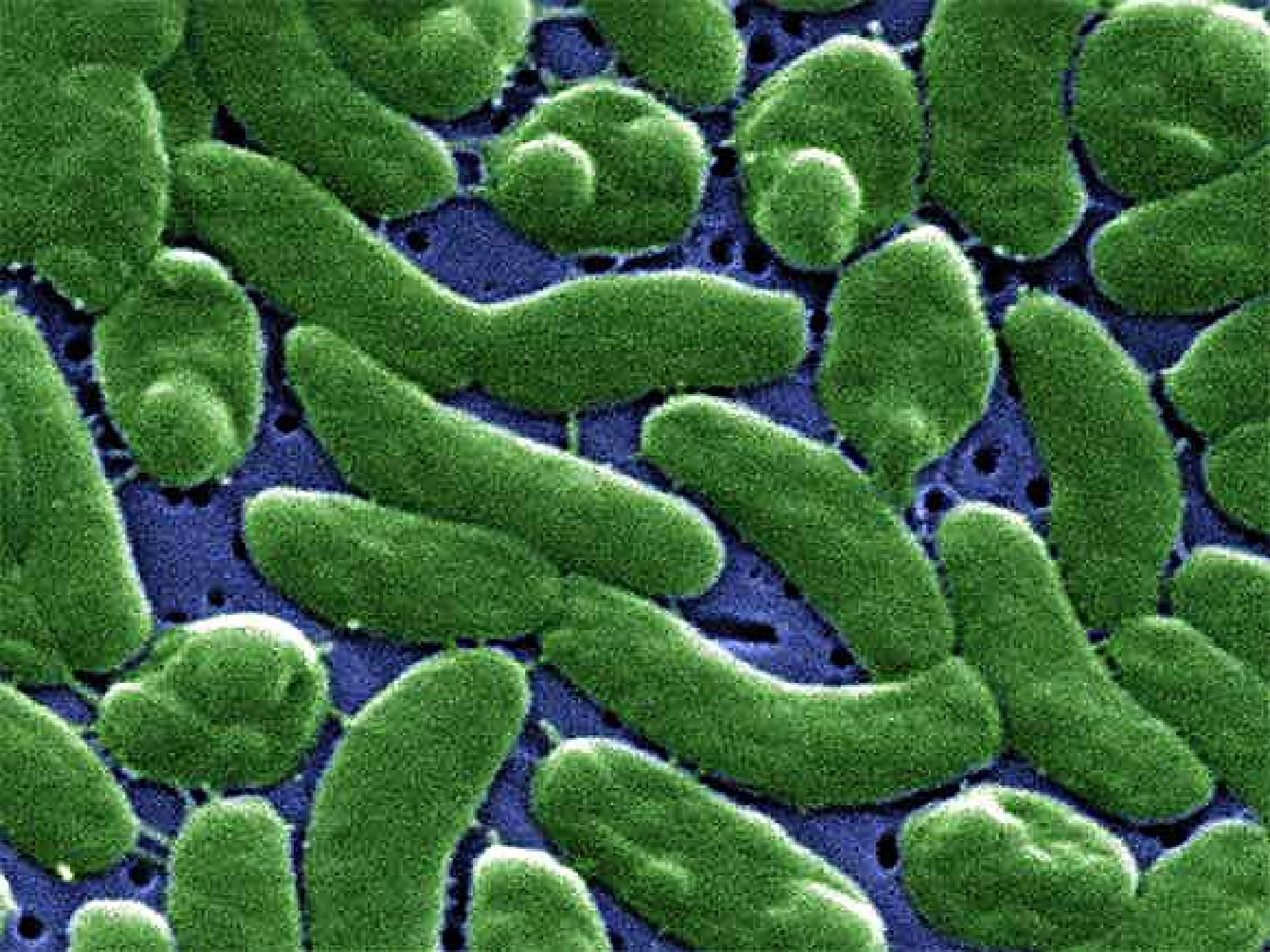


















0:03

90%



0 : 04



90%

VALOR D

*Tiempo específico de
muerte*

*1 Logaritmo de
reducción*

10^{10}

10^7

10^8

10^5

LOGARITMO

10^{12}

10^3

10^4

10^1



LOGARITMO

A close-up photograph of a person's hand holding a silver calculator. The hand is positioned over a red, textured mat that has a grid of small, raised squares. The background is slightly blurred, showing a white surface and a black object. The overall lighting is bright, and the colors are vibrant.

$10 \times$ *si mismo*

LOGARITMO

$$100.000 = 10^5$$

$$10 \times 10 \times 10 \times 10 \times 10$$

10.000.000.000

10^{10}

LOGARITMO

1000.000.000.000.000

$$10^{15}$$

1960





ESTERIL





**PROBABILIDAD DE 1
SOBREVIVIENTE**



NIVEL DE ASEGURAMIENTO DE LA ESTERILIDAD

FDA



BUENAS PRACTICAS DE MANUFACTURA



1 EN UN MILLON



NIVEL DE ASEGURAMIENTO DE LA ESTERILIDAD



SAL 10^{-6}



LOGARITMO

10^7

10^8

10^3

10^5

VALOR D

90%

TIEMPO
EXPOSICION

ORGANISMOS

REDUCCION

0

1.000.000

10^6

1

90%

100.000

10^5

2

90%

10.000

10^4

3

90%

1.000

10^3

4

100

10^2

5

10

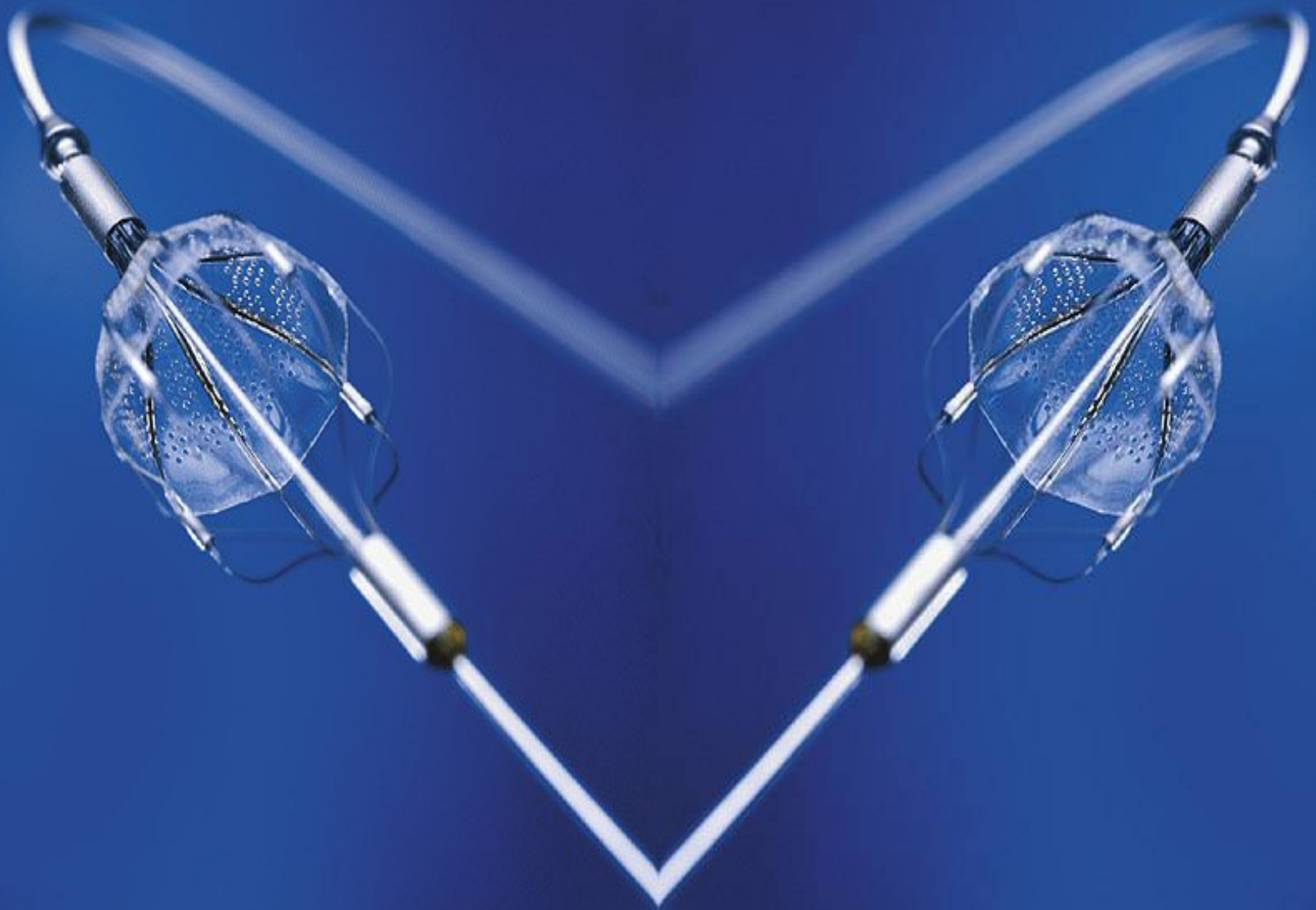
10^1

6

1

10^0

SAL 10^{-6}



TIEMPO
EXPOSICION

ORGANISMOS

REDUCCION

0

1.000.000

10^6

1

100.000

10^5

2

10.000

10^4

3

1.000

10^3

4

100

10^2

5

10

10^1

6

1

10^0

7

0.1

10^{-1}

8

0.01

10^{-2}

9

0.001

10^{-3}

10

0.0001

10^{-4}

11

0.00001

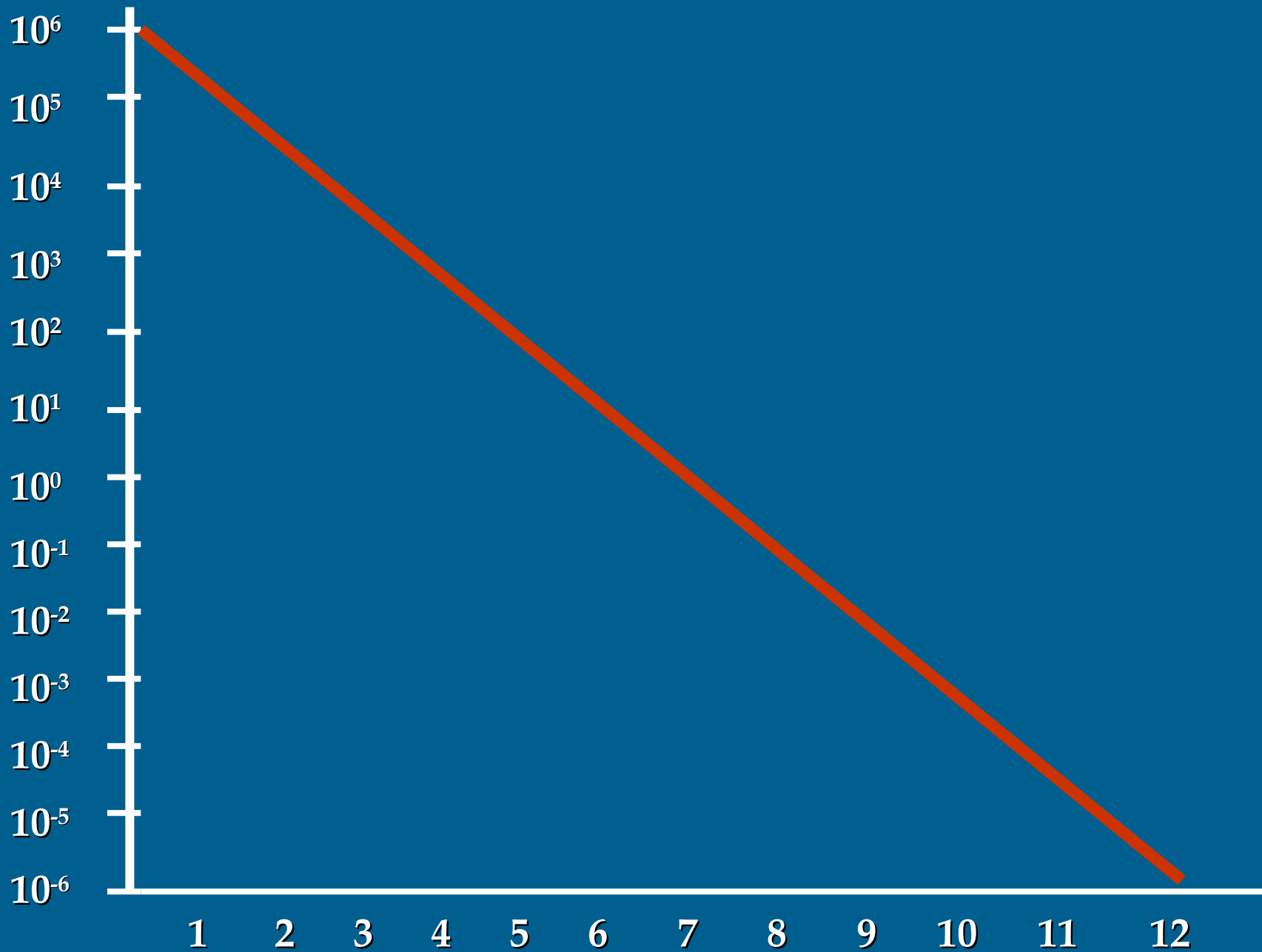
10^{-5}

12

0.000001

10^{-6}

S
O
B
R
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V
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T
E
S



TIEMPO





