



# Opti.Form<sup>®</sup> Listeria Control Model 2005

## Product Data

Product name:

Cured product   
  Uncured product

Temperature (°F):

pH:

Pure lactate (%w/w):

Diacetate (%w/w):

Salt (%w/w):

Moisture (%):

## Microorganism Data

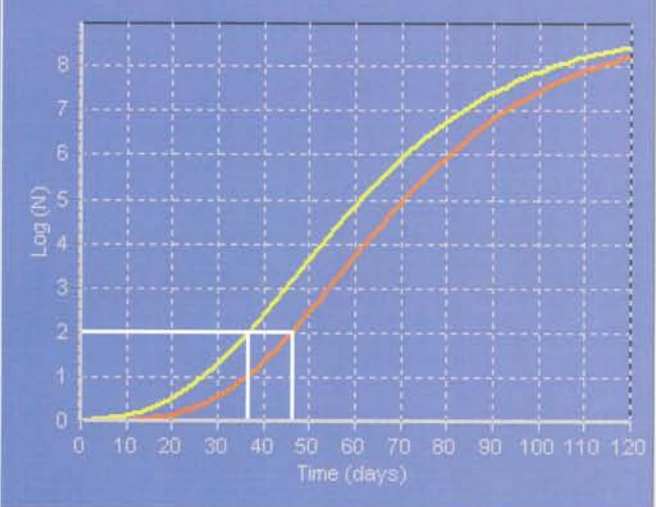
Initial level (Log numbers):

Maximum level (Log numbers):

## Predictions (90% and 95% confidence intervals)

Lag time	Doubling time	57.0 hours
Between 12 and 31 days		
Increase from log(0) to log(2)	Growth rate	0.012 per hour
Between 37 and 46 days		

## Growth of Listeria monocytogenes





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## Microorganism Data

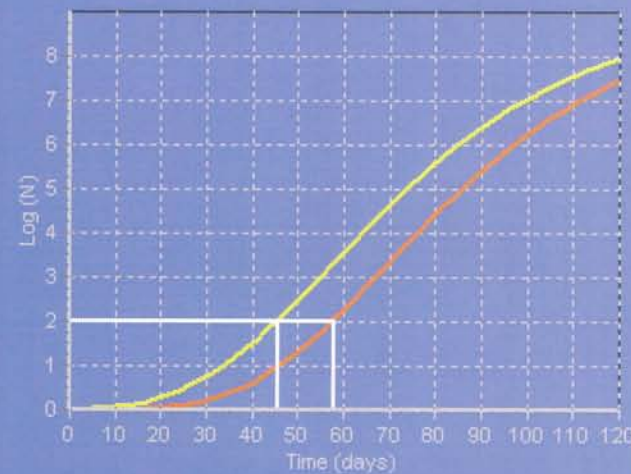
Initial level (Log numbers):

Maximum level (Log numbers):

## Predictions—(90% and 95% confidence intervals)

Lag time	Doubling time	66.1 hours
Between 16 and 39 days		
Increase from log(0) to log(2)	Growth rate	0.010 per hour
Between 46 and 58 days		

## Growth of *Listeria monocytogenes*



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## Microorganism Data

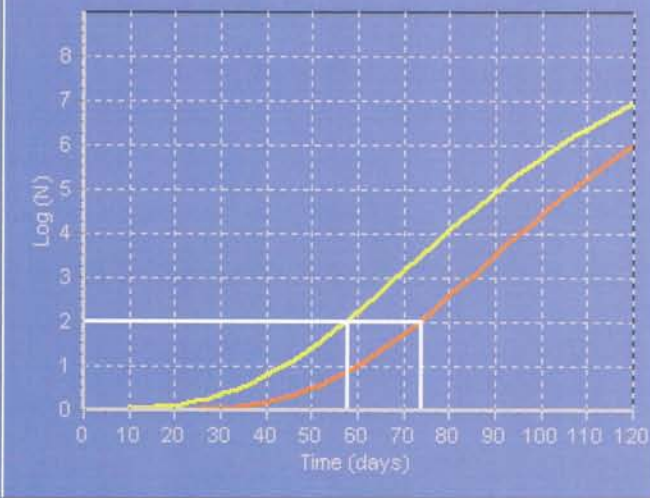
Initial level (Log numbers):

Maximum level (Log numbers):

## Predictions—(90% and 95% confidence intervals)

Lag time	Doubling time	77.8 hours
Between 21 and 52 days		
Increase from log(0) to log(2)	Growth rate	0.009 per hour
Between 58 and 74 days		

## Growth of *Listeria monocytogenes*



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## Microorganism Data

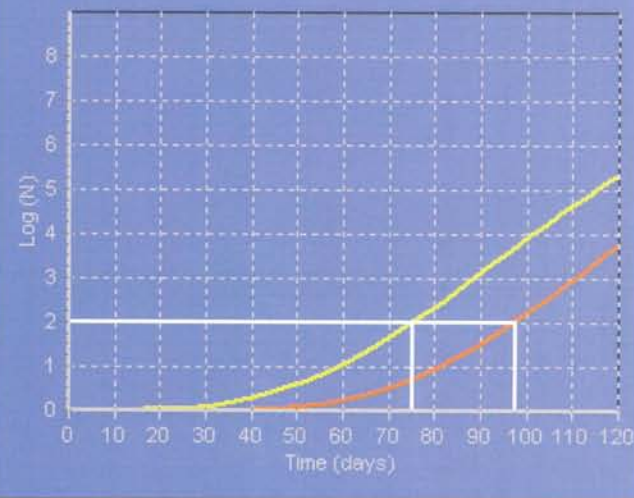
Initial level (Log numbers):

Maximum level (Log numbers):

## Predictions—(90% and 95% confidence intervals)

Lag time	Doubling time	93.2 hours
Between 29 and 72 days		
Increase from log(0) to log(2)	Growth rate	0.007 per hour
Between 75 and 97 days		

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pH:

Pure lactate (%w/w):

Diacetate (%w/w):

Salt (%w/w):

Moisture (%):

## Microorganism Data

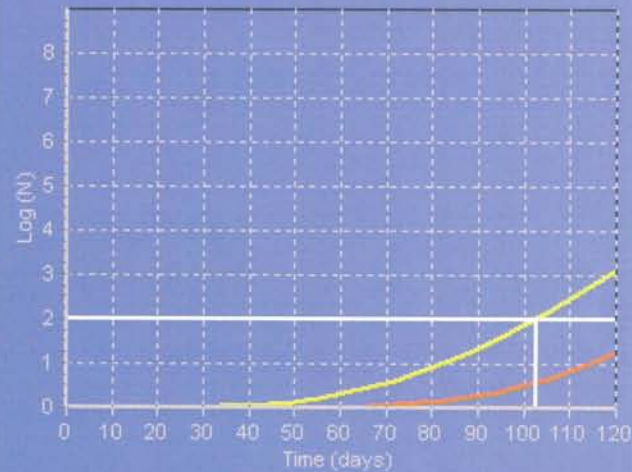
Initial level (Log numbers):

Maximum level (Log numbers):

## Predictions—(90% and 95% confidence intervals)

Lag time	Doubling time	114.3 hours
Between 42 and 103 days		
Increase from log(0) to log(2)	Growth rate	0.006 per hour
Between 103 and 134 days		

## Growth of Listeria monocytogenes



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