

# DETERMINE THE ZEBRAFISH MORTALITY RATE

(ALSO FOUND ON JOURNAL PAGE 11)

## ***Directions:***

Using the formulae below and the data recorded in the charts on the daily observation pages in your agent handbook, calculate the mortality rate of your zebrafish.

## ***Formulae:***

*Step 1:* Subtract Day 5 total (including embryos AND larvae) from Day 2 total to get the total number of expired embryos.

SHOW YOUR WORK: \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

*Step 2:*  $\frac{\text{Total number of expired embryos}}{\text{Day 2 total}} = X$

Day 2 total

SHOW YOUR WORK: \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

*Step 3:* X multiplied by 100 equals the mortality rate of your zebrafish.

SHOW YOUR WORK: \_\_\_\_\_ \* 100 = \_\_\_\_\_%

**What percentage of your embryos did not survive? \_\_\_\_\_**

**How does this percentage compare to those of the other groups?**

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**What variables might have contributed to this mortality rate?**

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