

### 1.1 Testing – Daily Procedure

Step	Parameter		Check
1.	Turn on the light in the room.	DATE/TIME	_____
2.	Remove box (light cover) from all culture tubes.	DATE/TIME	_____
3.	Separate the three test culture tube groups. This is to ensure each group only gets exposure to one low frequency radiation source. Separate by at least 10 feet.	DATE/TIME	_____
4.	Activate a cell phone voice call for the “CELL PHONE” test group, and set the activated cell phone next to the group.	DATE/TIME	_____
5.	Activate the radar gun for the “RADAR” test group, and set the radar gun one next to the group. Hold radar gun trigger with a rubber band to maintain radar gun activation.	DATE/TIME	_____
6.	Set a timer for 1 hour. Time may be adjusted as required. Record start time in Figure 1.	DATE/TIME	_____
7.	Record temperature and humidity for exposure time in Figure 1.	DATE/TIME	_____
8.	At conclusion of test, record completion time in Figure 1. Also record any observations in Figure 1.	DATE/TIME	_____
9.	At completion of the test, return all culture tubes to the storage area.	DATE/TIME	_____

## 1.2 Testing – Fruit Fly Examination

Step	Parameter	Check
1.	Record number of days since the test has started for this <i>E. coli</i> evaluation. Recommended evaluation times are 10 days and 20 days.	DATE/TIME _____
2.	Remove well plates from incubator.	DATE/TIME _____
3.	Separate labelled well plates into groups	DATE/TIME _____
4.	Observe number of individual test tubes which are yellow/clear, record	DATE/TIME _____
5.	Observe number of individual test tubes which have developed purple growths/spots, record	DATE/TIME _____
6.	Return well plates to incubator	DATE/TIME _____

## 1.1 Testing – Daily Procedure

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1.	Turn on the light in the room.	DATE/TIME _____
2.	Remove box (light cover) from all culture tubes.	DATE/TIME _____

3. Separate the three test culture tube groups. This is to ensure each group only gets exposure to one low frequency radiation source. Separate by at least 10 feet. **DATE/TIME** \_\_\_\_\_
4. Activate a cell phone voice call for the “CELL PHONE” test group, and set the activated cell phone next to the group. **DATE/TIME** \_\_\_\_\_
5. Activate the radar gun for the “RADAR” test group, and set the radar gun one next to the group. Hold radar gun trigger with a rubber band to maintain radar gun activation. **DATE/TIME** \_\_\_\_\_
6. Set a timer for 1 hour. Time may be adjusted as required. Record start time in Figure 1. **DATE/TIME** \_\_\_\_\_
7. Record temperature and humidity for exposure time in Figure 1. **DATE/TIME** \_\_\_\_\_
8. At conclusion of test, record completion time in Figure 1. Also record any observations in Figure 1. **DATE/TIME** \_\_\_\_\_
9. At completion of the test, return all culture tubes to the storage area, and cover with a box (light cover). **DATE/TIME** \_\_\_\_\_

## 1.2 Testing – Fruit Fly Examination

Step	Parameter	Check
1.	Record number of days since the test has started for this fruit fly evaluation. Recommended evaluation times are 10 days and 20 days.	DATE/TIME
2.	Remove the box and take one group at a time	DATE/TIME _____
3.	Take one group at a time from the box to evaluate fruit fly data.	DATE/TIME _____
4.	For each culture tube, remove the stopper and use FlyNap to knock out the fruit flies.	DATE/TIME _____
5.	Identify in Figure 2 the type of test these fruit flies were subject to (“CELL PHONE”, “RADAR”, “CONTROL”)	
6.	Count all of the fruit flies in each tube. Record data in Figure 2.	DATE/TIME _____
7.	Identify the quantity of fruit flies with no mutations (identify fruit fly type _____).	DATE/TIME _____
8.	Identify the quantity of the fruit flies that have mutations and record in Figure 2. This data to be recorded in Figure 2 by type of mutation.	DATE/TIME _____
9.	Identify the quantity of fruit flies that have died, and record the quantity in Figure 2.	DATE/TIME _____
10.	Place all living fruit flies back in the culture tube. Discard the dead fruit flies after the quantity is recorded.	DATE/TIME _____
11.	Repeat this evaluation for all 30 culture tubes.	DATE/TIME _____
12.	After all 30 evaluations are complete, return all culture tubes to the storage area, and cover with a box (light cover).	DATE/TIME _____