



## TEXAS STREAM TEAM

### TEXAS STREAM TEAM *E. COLI* BACTERIA MAINTENANCE GUIDE

The following guide describes the maintenance tasks that must be conducted for *E. coli* Bacteria equipment. Please keep in mind that the frequencies included are considered the minimum and tasks may be done at a greater frequency if needed.

MONITORING SUPPLY	FREQUENCY	MAINTENANCE
<b>Petri Dishes, Whirl-Pak® Bags, &amp; Pipettes</b>	Daily	<ul style="list-style-type: none"><li>• Store items at room temperature (60°-80°F) away from extreme elements (direct sunlight, humidity, rain, etc.)</li></ul>
<b>Coliscan EasyGel</b>	Daily	<ul style="list-style-type: none"><li>• Store Coliscan EasyGel in a freezer.</li></ul>
<b>Workspace</b>	Before use	<ul style="list-style-type: none"><li>• Wipe down the workspace before plating using 70% isopropyl wipes.</li></ul>
<b>Reagents</b>	Before use	<ul style="list-style-type: none"><li>• Check all reagent expiration dates and replace expired reagents when needed.</li><li>• Ensure petri dishes do not have any damage before use.</li></ul>
<b>Sharpie</b>	After use	<ul style="list-style-type: none"><li>• Ensure cap is tightly secured to sharpie.</li></ul>
<b>Workspace</b>	After use	<ul style="list-style-type: none"><li>• Wipe down the workspace using 70% isopropyl wipes after counting.</li></ul>
<b>Reagents</b>	After use	<ul style="list-style-type: none"><li>• Rinse and recycle empty Coliscan EasyGel bottles after use.</li><li>• Soak used petri dishes in a 1:9 bleach to water solution for 30 minutes. Place the petri dishes in a sealed bag (e.g., Ziploc bag) and place the bag in the trash. Dump the bleach solution down the drain with copious amounts of water.</li></ul>
<b>Incubator</b>	Quarterly	<ol style="list-style-type: none"><li>1. Using a paper towel soaked with a solution of water and dish soap, wipe down the Styrofoam parts of the incubator. DO NOT wipe down any heating or electrical elements.</li><li>2. Wipe the incubator dry with a clean paper towel.</li><li>3. Soak a clean paper towel with 70% isopropyl alcohol and wipe down the interior and exterior of the incubator. A Q-Tip with 70% isopropyl alcohol may be used for spot treatments.</li><li>4. Let the incubator air dry before putting it away. DO NOT leave the incubator lid off for more than a minute as this can expose the incubator to contamination.</li></ol>