

**Electronic Programmable Pressure Cooker canning study – Experimental Design**

- For each food type (green beans, pinto beans, and chicken), we will do one jar in each of the three pressure cookers.
- The entire procedure will be repeated 3 times (replicates).
- Each “run” will represent one white cell from this grid:

<b>Food Type</b>	<b>Time 1 (Rep 1)</b>	<b>Time 2 (Rep 2)</b>	<b>Time 3 (Rep 3)</b>
<b>Green Beans</b>	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot
<b>Chicken</b>	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot
<b>Pinto Beans</b>	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot	Power Pressure XL Cary Instant Pot

To have a true replicate, you must start over from Step 1 of the protocol each time. You can't just do enough food to pack 3 jars in each of the pressure cookers, then process them all at the same time. That is not a true replicate. You will have 9 unique data files for each replicate, one for each combination of food and pressure cooker brand (3 foods X 3 cooker brands = 9 combinations).