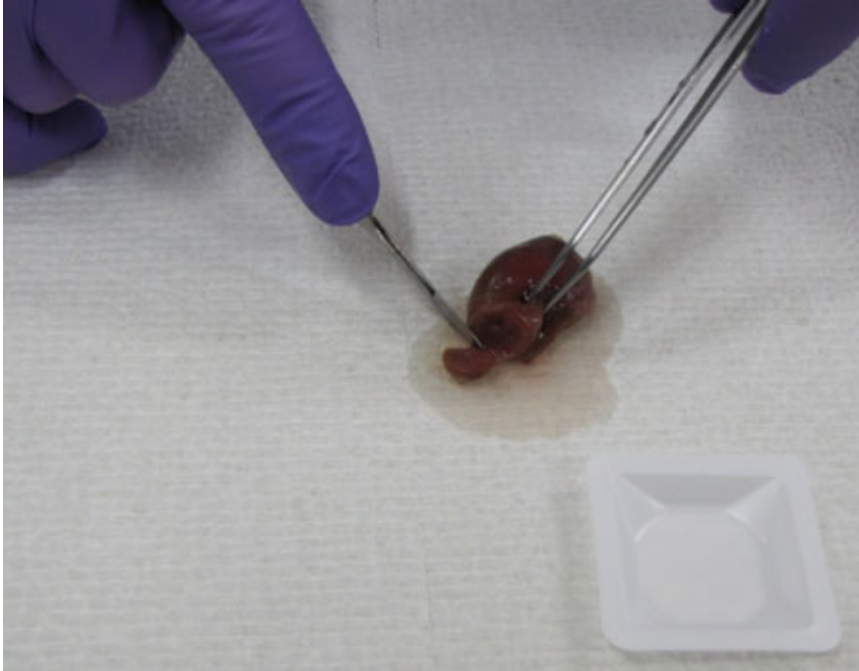


# Using the Bullet Blender®



# Step 1 – Prepare sample



Section tissues into usable sizes

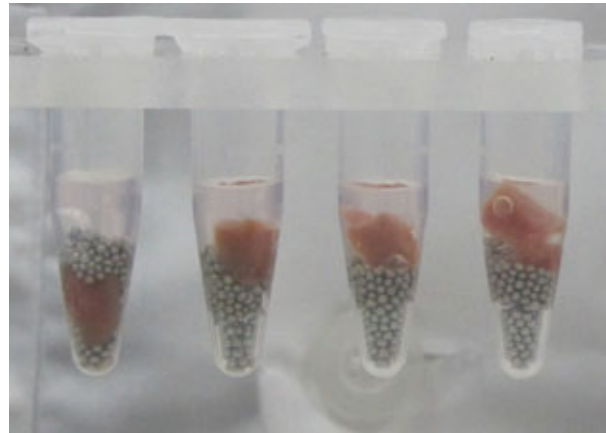
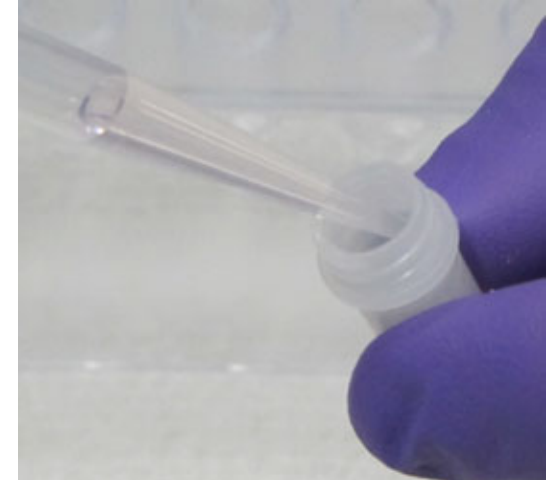
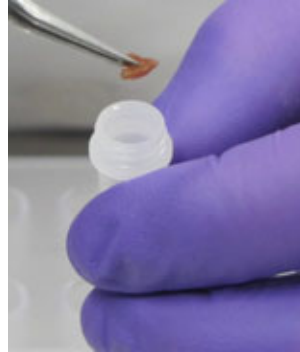
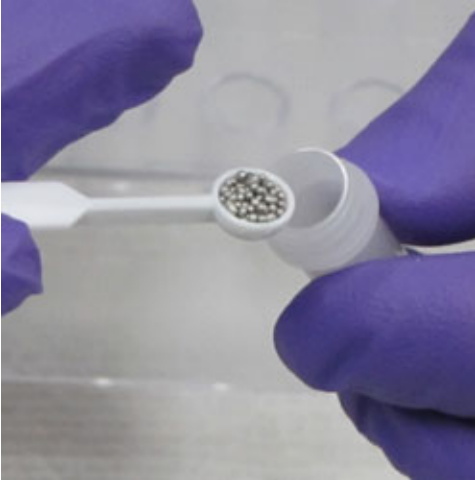


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# Step 2 – Load tubes



Add beads, buffer and sample to tube

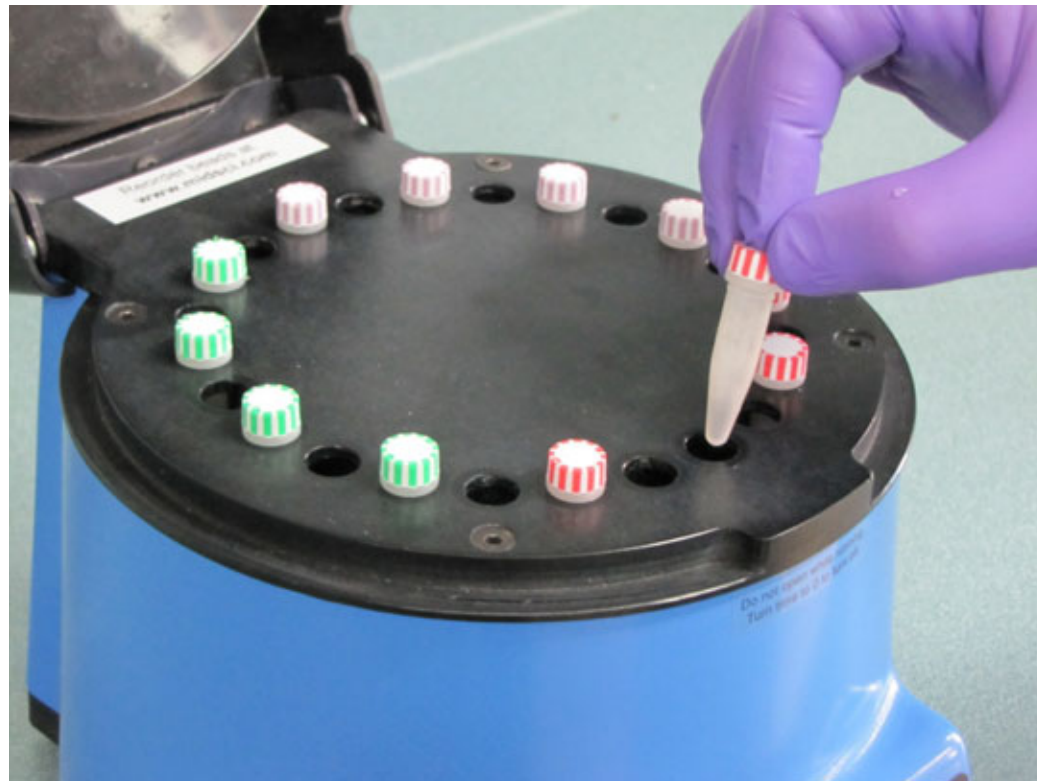


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# Step 3 – Load Bullet Blender



Add tubes to the Bullet Blender



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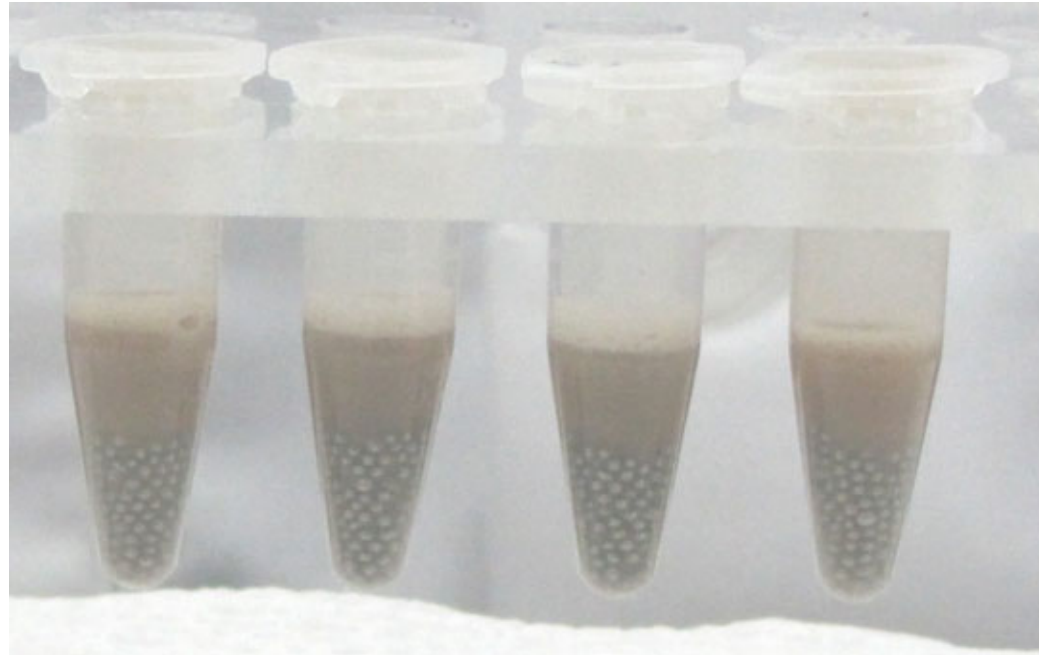
# Step 4 – Run Bullet Blender



Set time, speed and press “Start”



# Step 5 – Remove tubes



Remove your tubes from the Bullet Blender and verify that the samples have fully homogenized

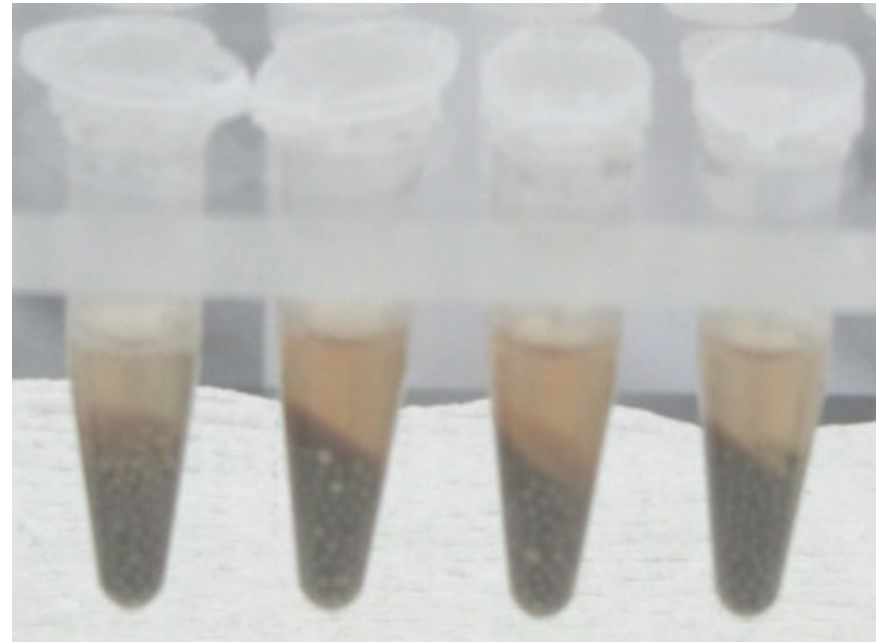


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# Step 6 – Centrifuge samples (optional)



Typical centrifuge settings are 12,000 x g for 8 minutes to clarify homogenate



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# Step 7 – Remove homogenate



Homogenate can be removed with a pipette



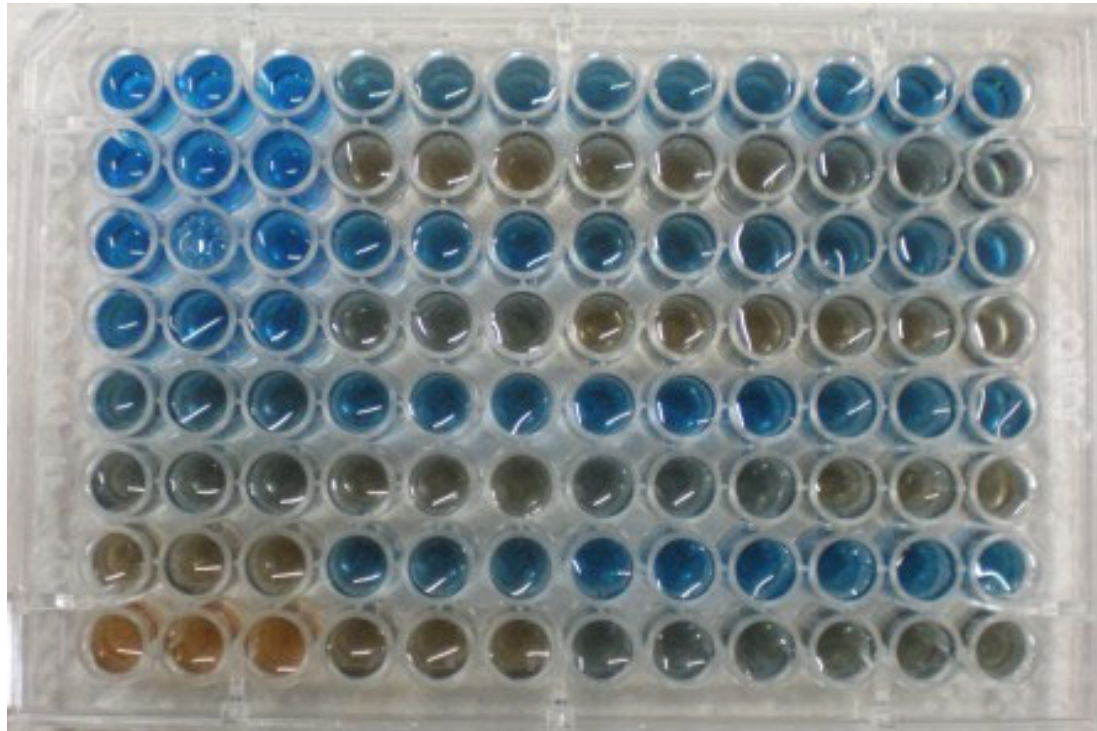
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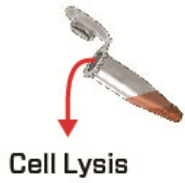
# Step 8 – Use sample in your assay



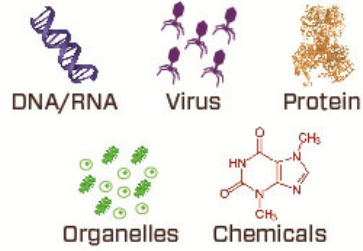
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Cell Lysis



DNA/RNA

Virus

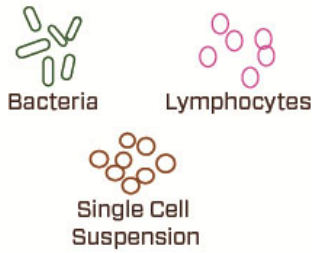
Protein

Organelles

Chemicals



Whole Cell Isolation

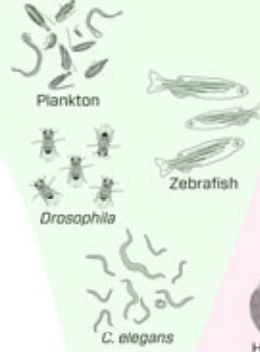


Bacteria

Lymphocytes

Single Cell Suspension

Small Organisms



Plankton

Zebrafish

Drosophila

C. elegans

Organ Tissue



Intestine

Brain

Liver

Heart

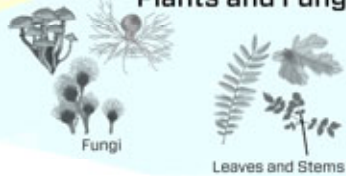
Cell Culture



Yeast

Bacteria

Plants and Fungi



Fungi

Leaves and Stems



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