**[Maxwell® RSC simplyRNA Tissue Kit](https://www.promega.com/~/media/files/resources/protocols/technical%20manuals/101/maxwell%20rsc%20simplyrna%20cells%20kit%20and%20maxwell%20rsc%20simplyrna%20tissue%20kit%20technical%20manual.pdf)**

**Cartridge and Sample Prep**

 Identify samples to be processed.

 Clean work station & obtain and ice bucket

 Remove DNAase from -20°C and thaw on ice

 Remove samples from -80°C and thaw on ice.

 Change gloves before handling cartridges, Maxwell® CSC/ RSC Plungers and Elution Tubes to maintain an RNase-free environment during processing.

 Place the cartridges in the deck tray with the printed side facing away from the Elution Tubes. Press down to snap it into position. Note: Center cartridges on the deck.

 Carefully peel back the seal so that all plastic comes off the top of the cartridge.

 Place a Maxwell® CSC/RSC Plunger in the well closest to the Elution Tube (well #8).

 Place 0.5mL Elution Tubes in the front of the deck tray. Add 40μl of Nuclease-Free Water to the bottom of each Elution Tube.

 Add 5μl of blue DNase I Solution to well #4 (yellow reagent).

 Add 200μl of Lysis Buffer to the thawed punch sample. Vortex vigorously for 15 seconds to mix. Transfer all 400μl of lysate to the well farthest from the elution tube (well #8).

**After the Maxwell Run Completes**

 Follow on-screen instructions at the end of the method to open door. Verify that the plungers are located in well #8 of the cartridge at the end of the run.

 Remove deck tray from instrument. Remove Elution Tubes containing RNA.

 Transfer 5μl RNA to a tube for analysis on the Bioanalyzer.

 Transfer 5μl RNA to a tube for analysis on the Quantas.

 Transfer remaining ~20μl RNA to a 1.5ml tube for labeled with the RNAseq ID for shipment to the GSAF.

 Remove the cartridges and plungers from the deck tray and discard, following your institutions recommended guidelines for disposal of hazardous material. Do not reuse reagent cartridges, plungers or Elution Tubes.