To check the results of your run, select the Gel or Electropherogram tab in the Data context. The electropherogram of the ladder well window should resemble those shown below.

![RNA 6000 Nano Ladder Well Results](image)

**Figure 1** RNA 6000 Nano ladder
Major features of a successful ladder run are:

- 1 marker peak
- 6 RNA peaks (2100 expert software calls for 5 first ladder peaks only)
- All 7 peaks are well resolved
- Correct peak size assignment in the electropherogram

If the electropherogram of the ladder well window does not resemble the one shown above, refer to the 2100 Expert Maintenance and Troubleshooting Guide for assistance.

RNA 6000 Nano Sample Well Results

To review the results of a specific sample, select the sample name in the tree view and highlight the Results sub-tab. The electropherogram of the sample well window for total RNA (eukaryotic) should resemble the one shown here.

![Electropherogram](image)

**Figure 2** RNA peaks of a successful sample run
Major features of a successful total RNA run are:

- 1 marker peak
- 2 ribosomal peaks (with successful sample preparation)

By selecting the Results sub-tab, values for the calculated RNA concentration, the ribosomal ratio and the RNA Integrity Number (RIN), implemented with 2100 expert software version B.02.02 or higher, are displayed.

**NOTE**

You can change the baseline by shifting the left and right dashed lines. This will alter your results. For information on the RNA alignment please refer to the 2100 Expert User’s Guide or Online Help.

The electropherogram of the sample well window for mRNA should resemble the one shown here.

![Figure 3](image)

**Figure 3** mRNA peaks of a successful sample run

Major features of a successful mRNA run are:

- 1 marker peak
- Broad hump (with successful sample preparation)
- Contamination with ribosomal RNA shown as 2 overlaid peaks (if present)