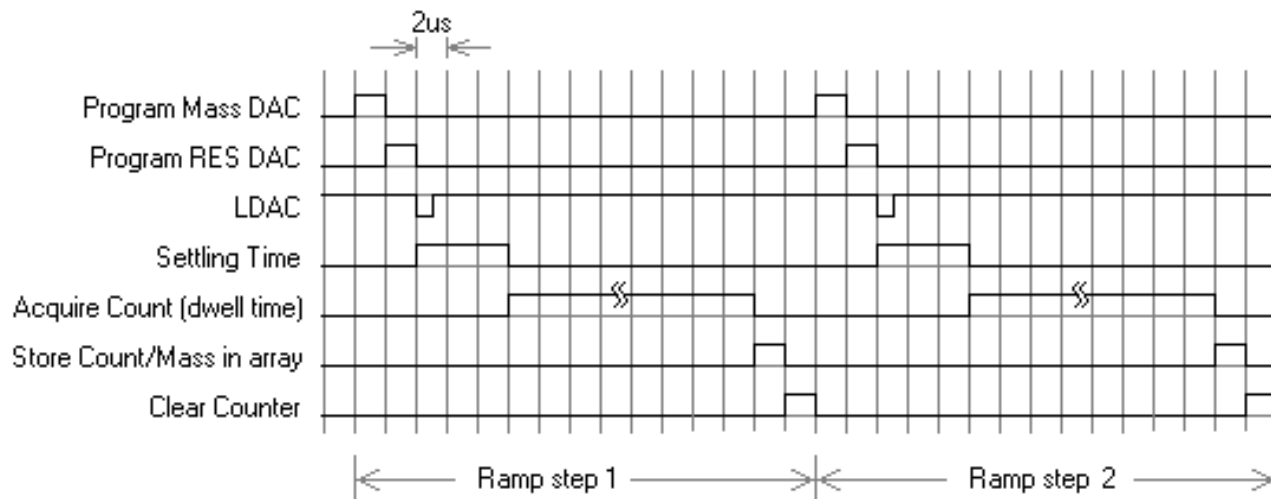


Typical Timing Diagram for Ramp steps.

- Data acquisition (acquire count) must be synchronized with LDAC pulses as shown.
- DAC programming times are approximate. (see the data sheets).
- Settling time could be any number from 0us to 1000us, depending on the function.
- Dwell time is entered by user, or calculated from the method.



Special Case: Fast Scan

- For the fastest possible scan, settling time is set to zero, and two counters are toggled to acquire the data continuously.
- DAC's are being loaded with next step value, while count is being acquired.

