

# Brand Name (“Salient Characteristics”)

## Brand Name Item:

1) Essential/significant physical, functional, or performance characteristics.

a) **Compatibility –**

b) **Dimensions –** 36 inches wide X 24 inches, depth X 10 inches, high

c) **Weight-** 20 lb

d) **Industry Standard –** 120v

e) **Purpose –** For biological assays

f) **Governing Body or Organization –**

2) **Complete generic identification –** SpectraMax iD5 Multi-Mode Reader

3) **Applicable model/make/catalog number –** MISC-INST-STDP/SpectraMax iD5 Multi Mode Reader

We need a plate reader can do monochrome-based spectra, absorbance, and Monochromator-based and filter-based: Fluorescence, Luminescence, Fluorescence Polarization, and Time-Resolved Fluorescence.

We have an older version of this plate reader and would need have an updated one with injectors so that we can detect fast reactions. Through comparison, only this machine from the molecular devices iD5 has the capacity with the injectors that meets the requirement of our project. There is also patent copy right software for data analysis and personnel all trained for this software with molecular devices machine. We would also need to be able to compare the data obtained from the new version of the machine with the old version of the machine. Since we already have the old version of this plate reader in use, we would need to have the newer version of the machine from the same company so that we would not run into problems with compatibility.

In summary: Through comparison, only this machine from the molecular devices iD5 has the capacity with the injectors and would allow us to continue and enhance the quality of our project.

4) **Manufacturer name –** Molecular Devices

Per VAAR 811.104 and 811.105, I certify the following regarding the above information:

- The salient characteristics listed above are essential to the Government’s requirements.
- To my knowledge, the restrictions listed above will not limit the acquisition to an item peculiar to one manufacture.

Name: Wen-Jun Shen

Sign: \_\_\_\_\_