

**JUSTIFICATION FOR SINGLE SOURCE AWARDS IAW FAR 13.106-1**  
(OVER MICRO-PURCHASE THRESHOLD(\$3K) BUT NOT EXCEEDING THE SAT (\$150K))

IAW [FAR13.104](#), COs must promote competition to the maximum extent practicable to obtain supplies and services from the source whose offer is the most advantageous to the Government, considering the administrative cost of the purchase. When competition is not practicable, IAW [FAR13.106-1\(b\)](#), COs solicit from a single source for purchases not exceeding the simplified acquisition threshold. COs may solicit from one source if the CO determines that the circumstances of the contract action deem only one source reasonably available (e.g., urgency, exclusive licensing agreements, brand-name or industrial mobilization). IAW [FAR13.106-3\(b\)\(3\)](#), COs are required to include additional statements **explaining the absence of competition** (see [13.106-1](#) for brand name purchases) if only one source is solicited and the acquisition does not exceed the simplified acquisition threshold (does not apply to an acquisition of utility services available from only one source) or supporting the award decision if other than price-related factors were considered in selecting the supplier. This template when completed can be used to document single source awards IAW [FAR13.106-3\(b\)\(3\)](#). Note: Statements such as "only known source" or "only source which can meet the required delivery date" are inadequate to support a sole source purchase.

<b>1. PURCHASE REQUEST OR REQUISITION NUMBER:</b> 580-17-3-167-0488	<b>1A. PROJECT/TASK NUMBER</b> A7RESEARCH02	<b>1B. ESTIMATED AMOUNT:</b> \$126,700
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**2. BRIEF DESCRIPTION OF SUPPLIES OR SERVICES REQUIRED AND THE INTENDED USE:**

This request is for one (1) integrated RS 2000 X-ray Biological Irradiator System. This system will be used in the VMU located @ MEDVAMC-Houston. Investigators will be using this equipment to irradiate mice and cell suspensions with non-radioactive isotopes.

**3. UNIQUE CHARACTERISTICS THAT LIMIT AVAILABILITY TO ONLY ONE SOURCE, WITH THE REASON NO OTHER SUPPLIES OR SERVICES CAN BE USED:**

- The RS 2000 does NOT use any radioactive isotopes such as cesium or cobalt and is therefore considered an alternative technology under NRC guidelines.
- The RS 2000 utilizes a single electronic source for producing radiation fields for research. Rad Source designed its own source with unique filtration and it operates CONCURRENTLY at 25mA and 160kV, or 4kW.
- The RS 2000 utilizes its own proprietary reflective chamber – RAD+ (US patent #6.389.099) to achieve uniformity in the field of irradiation of 94% or higher.
- The RS 2000 uses Rad Source’s patented RAD+ allows for the uniform irradiation of small animals in a filtered environment (approx.. 11” x17”).

**4. REASON THAT SUGGESTED SOURCE IS THE ONLY SOURCE, WHICH CAN PROVIDE THE SUPPLIES OR SERVICES:**

Rad Source Technologies, Inc. is the sole manufacturer and distributor of the RS 2000 Research/Biological Irradiator. Rad Source owns the proprietary patented RAD+ that is utilized by the RS 2000.

**5. DESCRIPTION OF MARKET RESEARCH CONDUCTED AND RESULTS OR STATEMENT WHY IT WAS NOT CONDUCTED:**

Rad Source’s RS 2000 is widely used in the scientific research community. After reading multiple articles published in PubMed about various experiments that were performed using the RS 2000, the investigators decided to use the RS 2000 from Rad Source for their research studies. Only Rad Source Technologies, Inc. was contacted for a quote; no other vendors were sourced.

**6. Contracting Officer's Certification:** *Purchase is approved in accordance with FAR13.106-1(b). I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.*

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name:** Julieann Willie

**Title:** Contracting Officer

**Facility:** SAO Central Contracting