

Exhibit R-2, RDT&E Budget Item Justification							Date: February 2003	
Appropriation/Budget Activity RDT&E.D BA 3				R-1 Item Nomenclature: Medical Advanced Technology, PE 0603002D8Z				
Cost (\$ in millions)	2002	2003	2004	2005	2006	2007	2008	2009
Total PE Cost	2.066	0.000	5.028	2.065	2.542	2.594	2.645	2.697
Medical Advanced Technology/ P506/Subtotal Cost	2.066	0.000	5.028	2.065	2.542	2.594	2.645	2.697
A. Mission Description and Budget Item Justification:								
<p>(U) This program supports applied research for advanced development of biomedical strategies to prevent, treat and assess health consequences from exposure to ionizing radiation. It capitalizes on findings under PE 0602787D, Medical Technology, and from industry and academia to advance novel medical countermeasures into and through pre-clinical studies toward newly licensed products. Program objectives focus on mitigating the health consequences from exposures to ionizing radiation that represent the highest probable threat to US forces under current tactical, humanitarian and counter terrorism mission environments. Findings from basic and developmental research are integrated into highly focused advanced technology development studies to produce: (1) protective and therapeutic strategies; (2) novel biological markers and delivery platforms for rapid, field-based individual dose assessment; and (3) experimental data needed to build accurate models for predicting casualties from complex injuries involving radiation and other battlefield insults. The Armed Forces Radiobiology Research Institute (AFRRI), because of its multidisciplinary staff and exceptional laboratory and radiation facilities, is uniquely positioned to execute the program as prescribed by its mission. Because national laboratories operated by the Department of Energy no longer support advanced research relevant to military medical radiobiology, AFRRI is currently the only national resource carrying out this mission.</p>								
B. Program Change Summary: (Show total funding, schedule, and technical changes for the program element that have occurred since the previous President's Budget Submission)								
	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>				
Previous President's Budget	2.066	0.000	0.000	0.000				
Current FY04 President's Budget	2.066	0.000	5.028	2.065				
Total Adjustments			5.028	2.065				
Congressional program reductions								
Congressional rescissions								
Congressional increases								
Reprogrammings								
SBIR/STTR Transfer								
Other			5.028	2.065				
* Starting in FY 2003, this program is being transferred back to DoD from the Department of Health and Human Services								