

**Table 4 . Examples of Key Research Reactors Available for Production of Therapeutic Radioisotopes**

Published Approximate Maximum Thermal Flux Values Neutrons/cm <sup>2</sup> /sec/10 <sup>14</sup>	Name of Reactor	Institution	Country
50	<i>SM2</i>	Dimitrovgrad	Russia
30	<i>HFIR</i>	ORNL	U.S.
12	<i>BR2</i>	Mol	Belgium
10	<i>ATR</i>	INEL	U.S.
8	<i>NRU</i>	Nordion, Chalk River	Canada
8	<i>HFBR</i>	BNL	U.S.
5	<i>MURR</i>	University of Missouri	U.S.
4	<i>SAFARI-1</i>	Pelindaba	South Africa

### Figure Legends

- Figure 1. Schematic of the top of the *HFIR* illustrating the target bundle located in the flux trap region.
- Figure 2. Illustration of the target unit assembly in the flux trap region in which the Hydraulic Tube Assembly (*HT*) and Peripheral Target Tubes (*PTP*) are located. Each of the *PTP* tubes will accommodate a maximum of eight *HT* tubes.
- Figure 3. Photograph illustrating the target bundle and one *PTP* unit which fits into the outer housing of the target bundle.
- Figure 4. Photograph of the new *PTP* target tube loading and unloading station which is being installed in the *HFIR* pool.