

## MEMORANDUM

DATE: 14 July 1960

TO: Dr. L.B. Farr

FROM: Dr. J.S. Robertson *JSR*

SUBJECT: Official radioactive drugs

The following drugs are listed in the latest USP:

<u>Page</u>	<u>Drug</u>
24	Radio-iodinated Serum Albumin (I <sup>131</sup> , 8.08 days) Identification: $\beta^-$ absorption Category: Diagnostic aid (blood volume and cardiac output determination) Usual dose: Intravenous 3 to 60 $\mu$ c
615	Radiocyanocobalamin Solution (Co <sup>60</sup> , 5.27 years) Identification: Gamma ray spectrum Category: Diagnostic aid (pernicious anemia) Usual dose range: 0.5 to 1 $\mu$ c  (On page XI, Radiocyanocobalamin capsules are also listed as USP XVI Interim Admissions and will become official when a suitable monograph is issued as a supplement.)
616	Radiogold Solution (Au <sup>198</sup> , 2.70 days) Identification: Gamma ray spectrum Category: Neoplastic suppressant Usual dose: By intracavitary injection 30 to 150 mc
680	Sodium Radiochromate Injection (Cr <sup>51</sup> ) Identification: By gamma ray spectrum Category: Diagnostic aid (blood volume estimation) Usual dose range: Intravenous tracer 10 to 125 $\mu$ c

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<u>Page</u>	<u>Drug</u>
681	Sodium Radio-iodide Capsules
682	Sodium Radio-iodide Solution (I <sup>131</sup> , 8.08 days) Identification: $\beta^-$ absorption Category: Diagnostic aid (thyroid function) Neoplastic suppressant Usual dose range: Oral and Intravenous Diagnostic 1 to 100 $\mu$ c Therapeutic 1 to 100 mc
684	Sodium Radiophosphate Solution (P <sup>32</sup> , 14.3 days) Identification: $\beta^-$ absorption Category: Neoplastic and polycythemic depressant Diagnostic aid Usual dose range: Oral and Intravenous Diagnostic 1 to 500 $\mu$ c Therapeutic 1 to 7 mc

Descriptions of the actions and uses and fuller explanation of the dosage of the following preparations are available in the NNR:

<u>Page</u>	<u>Drug</u>
641	Radiogold Colloid (Au <sup>198</sup> )
643	Radio-iodinated Serum Albumin (Risa) (I <sup>131</sup> )
646	Sodium Radio-chromate (Rachromate) (Cr <sup>51</sup> )
647	Sodium Radio-iodide (Na I <sup>131</sup> )
650	Sodium Radiophosphate (P <sup>32</sup> )

References:

1. Pharmacopeia of the United States, Sixteenth Revision, 1960.
2. New and Nonofficial Drugs, 1960.

Copies available in Pharmacy Office.

cc: Dr. W.W. Shreeve  
Dr. E.P. Cronkite

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