

Request to Acquire Unbound Radioiodine

The CNSC licence conditions are stated below and apply to any workers using more than 5 Mbq (1.35 mCi) of unbound radioiodine as an open source. It does not apply to users of bound iodine, ie: RIA kits. Failure to undergo screening and bioassay as required by licence conditions can lead to suspension of radioiodine use.

Confirmation of Compliance	CNSC Licence Conditions
<p>I certify that I am in compliance with the licence conditions stated here, and that I will not knowingly provide unbound radioiodine to another user.</p> <p>User's signature _____</p> <p>User's signature _____</p> <p>User's signature _____</p> <p>Date: _____</p> <p>Isotope: _____</p> <p>Amount: _____</p> <p>As the Project Supervisor, I certify that the radioiodine to be acquired will be used solely at McMaster University by the persons listed above until it is in a bound form.</p> <p>Signature: _____</p> <p>Health Physics _____</p>	<p>Every person who</p> <p>a) uses at a single time a quantity of volatile iodine-125 or iodine-131 exceeding;</p> <p>i) 5 MBq in an open room;</p> <p>ii) 50 MBq in a fume hood;</p> <p>iii) 500 MBq in a glove box;</p> <p>iv) any other quantity in other containment approved in writing by the Commission or a person authorized by the Commission; or</p> <p>b) is involved in a spill of greater than 5MBq of volatile iodine-125 or iodine-131;</p> <p>c) or on whom iodine-125 or iodine-131 external contamination is detected;</p> <p>and shall undergo thyroid screening within five days following the exposure to iodine-125 or iodine-131. (2046-7)</p> <p>Thyroid Screening Screening for internal iodine-125 and iodine-131 shall be performed using</p> <p>a) a direct measurement of the thyroid with an instrument that can detect 1 kBq of iodine-125 or iodine-131; or</p> <p>b) a bioassay procedure approved by the Commission or a person authorized by the Commission. (2600-1)</p>