

**Crosswalk of Revised Medical Use
Radioactive Material Listing and
Authorized Physician User Uses**

As of January 2018, the license format and standard license conditions were updated for radioactive material licenses. In the process, the medical radioactive materials listing and the authorized physician user (AU) uses were updated. The tables below provide a crosswalk of the previous listing of medical radioactive material listing in license condition 5, and the Authorized Physician User approved materials and use conditions.

Old Medical RAM listing	New Medical RAM listing
F-18 for any diagnostic study involving imaging and tumor localization.	No longer itemized, authorized by Any radioactive material permitted by 25 TAC §289.256(hh)
Tc-99m for preparation and use of radiopharmaceutical reagent kits.	No longer itemized, authorized by Any radioactive material permitted by 25 TAC §289.256(hh)
Tc-99m (DTPA) for lung imaging studies using a commercial aerosol generator in accordance with the manufacturer’s instructions.	No longer itemized, authorized by Any radioactive material permitted by 25 TAC §289.256(hh)
I-131, P-32, Sr-89, Sm-153, Y-90 for non-Hodgkin’s lymphoma and other specifically identified radionuclides for unsealed written directive usage	No longer itemized, authorized by Any radioactive material permitted by 25 TAC §289.256(kk)
[Isotope] Investigational studies in accordance with an FDA accepted IND protocol and 25 TAC §289.256(d).	No longer itemized, authorized by §289.256(hh)

Old AU use listing	New AU use listing
All diagnostic uses	§289.256(ff), §289.256 (hh)
All diagnostic uses ..., excluding oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries	§289.256(ff), §289.256 (hh)

Old AU use listing	New AU use listing
All diagnostic uses ..., including oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries	§289.256(ff), §289.256 (hh), §289.256 (kk) (limited to oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries)
All diagnostic uses authorized by the license to include the use of PET radionuclides	§289.256(ff), §289.256 (hh)
Brachytherapy	§289.256(rr)
Brachytherapy, including the HDR	§289.256(rr) and §289.256 (ddd) (limited to the use of a remote afterloader unit)
Calibration and quality control for the HDR	Listed under AMP
Diagnostic nuclear cardiology	§289.256(ff), §289.256(hh)
I-125 seed localization of non-palpable lesions	Radioactive Seed Localization use permitted by 25 TAC §289.256(q)
Investigational studies with ¹³¹ I-Metaiodobenzylguanidine (MIBG).	§289.256(kk) (limited to parenteral administration)
Irradiator operators or supervision of users operating the blood irradiators	[no longer listed on license]
Licensed Medical Physicists for training, treatment planning, calibration, and operation of the gamma stereotactic radiosurgery unit	Listed under AMP
Neurosurgeons for patient evaluation and preparation including stereotactic localization for the treatment of humans	[no longer listed on license]
Other investigational studies	§289.256(hh)
Radiation Oncologists for patient evaluation and treatment of humans [pick appropriate condition for make and model of unit used]	§289.256(ddd) limited to the use of a gamma stereotactic radiosurgery unit OR Leksell Gamma Knife Perfection use permitted by 25 TAC §289.256(q) OR Leksell Gamma Knife Icon use permitted by 25 TAC §289.256(q)

Old AU use listing	New AU use listing
Sentinel node injection	§289.256(hh)
Therapy with I-131 for hyperthyroidism	§289.256(kk) (limited to oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries)
Therapy with I-131 for hyperthyroidism and therapy with Sm-153, Sr-89, P-32, Y-90, or Ra-223	§289.256(kk) (limited to oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries and parenteral administration)
Therapy with I-131 for hyperthyroidism and thyroid cancer	§289.256(kk) (limited to oral administration of sodium iodide I-131)
Therapy with I-131 for hyperthyroidism and thyroid cancer <u>AND</u> Therapy with Sm-153, Sr-89, P-32, Y-90, or Ra-223	§289.256(kk)
Therapy with I-131 for thyroid cancer	§289.256(kk) (limited to oral administration of sodium iodide I-131)
Therapy with Ra-223 [or Sm-153, Sr-89, P-32, Y-90 for non-Hodgkin's lymphoma]	§289.256(kk) (limited to parenteral administration)
Therapy with the HDR	§289.256(ddd) (limited to the use of a remote afterloader unit)
Therapy with Y-90 Nordion TheraSpheres	TheraSphere Y-90 microspheres use permitted by 25 TAC §289.256(q)
Therapy with Y-90 SIR-spheres	SIR-Spheres Y-90 microspheres use permitted by 25 TAC §289.256(q)

<u>Materials and Uses</u>	<u>Description</u>
§289.256(ff)	Uptake Dilution and Excretion
§289.256(hh)	Imaging and Localization
§289.256(rr)	Manual Brachytherapy
§289.256(kk)	Written directive required for unsealed (all types of use)

<u>Materials and Uses</u>	<u>Description</u>
§289.256(kk) (limited to oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 33 millicuries)	[self-explanatory]
§289.256(kk) (limited to oral administration of sodium iodide I-131)	[self-explanatory]
§289.256(kk) (limited to parenteral administration)	[self-explanatory]
§289.256(bbb) (in the [manufacturer] model [model] device)	Sealed sources for diagnosis
§289.256(ddd) limited to the use of a [remote afterloader unit/ teletherapy/ gamma stereotactic radiosurgery unit]	Use of HDR or external beam or gamma stereo tactic [except for Leksell Gamma knife units under §289.256(q)]
<p>*** use permitted by 25 TAC §289.256(q)</p> <p>Where *** uses may be</p> <ul style="list-style-type: none"> • Radioactive Seed Localization • BetaCath IVB System • Cytoc Gliasite Radiation Therapy System • Leksell Gamma Knife Perfection • Leksell Gamma Knife Icon • NeoVista Epi-Rad90 Ophthalmic System • ThereSphere Y-90 microspheres • SIRSpheres Y-90 microspheres • ViewRay System for Radiation Therapy 	Uses meeting requirement under NRC 35.1000 guidance or DSHS equivalent