



IOM-5

Na¹³¹I THERAPEUTIC CAPSULES

Therapeutic capsules offer distinct advantages over administration of Na¹³¹I solution

- Easy to swallow, smooth, slippery, mask the unpleasant taste and odour
- No undesirable radiation dose to the non-target organs like tongue, mouth and alimentary canal
- Eliminates the possibilities of spillage and incomplete administration, which is generally associated with the liquid product
- Opens up possibility for more centres to offer therapy for thyrotoxicosis.

Description	: Sodium iodide-131 adsorbed on anhydrous sodium sulphate (adsorbent) in hard gelatin capsule.
Radioactive content	: Each capsule contains 3, 5 or 10 mCi of ¹³¹ I on the reference date.
Radiochemical purity	: Above 95% as Iodide (¹³¹ I ⁻)
Storage	: Store at a cool and dark place (at room temperature)
Shelf life	: 3 & 5 mCi Capsule : Two weeks from reference date 10 mCi Capsule : Four weeks from reference date
Availability	: Weekly (Ex-stock)
Use	: For oral use in the treatment of hyperthyroidism and large dose scans for carcinoma of thyroid.
Packing	: Two capsules per vial containing a silica gel bag as a desiccant



Radiopharmaceutical laboratory, BRIT, Vashi, Navi Mumbai.

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Therapeutic capsules (IOM-5)

Code	Description	Activity
IOM-5/3	Capsules containing 3 mCi of Na ¹³¹ I as on the reference date	3 mCi
IOM-5/5	Capsules containing 5 mCi of Na ¹³¹ I as on the reference date	5 mCi
IOM-5/10	Capsules containing 10 mCi of Na ¹³¹ I as on the reference date	10 mCi

DECAY CHART OF ¹³¹I (t_{1/2} = 8.02 days)

Days	Multiplication factor	3 mCi (on Ref.dt) Code IOM-5/3	5 mCi (on Ref.dt) Code IOM-5/5	10 mCi (on Ref.dt) Code IOM-5/10
- 4	1.4	4.2 mCi	7.1 mCi	14.0 mCi
- 3	1.3	3.9 mCi	6.5 mCi	13.0 mCi
- 2	1.19	3.6 mCi	6.0 mCi	11.9 mCi
- 1	1.09	3.3 mCi	5.4 mCi	10.9 mCi
Reference date	1.00	3.0 mCi	5.0 mCi	10.0 mCi
1	0.92	2.8 mCi	4.6 mCi	9.2 mCi
2	0.84	2.5 mCi	4.2 mCi	8.4 mCi
3	0.77	2.3 mCi	3.9 mCi	7.7 mCi
4	0.71	2.1 mCi	3.5 mCi	7.1 mCi
5	0.65	1.9 mCi	3.2 mCi	6.5 mCi
6	0.60	1.8 mCi	3.0 mCi	6.0 mCi
7	0.55	1.6 mCi	2.7 mCi	5.5 mCi
8	0.50	1.5 mCi	2.5 mCi	5.0 mCi
9	0.46	1.4 mCi	2.3 mCi	4.6 mCi
10	0.42	1.3 mCi	2.1 mCi	4.2 mCi
11	0.39	1.2 mCi	1.9 mCi	3.9 mCi
12	0.36	1.1 mCi	1.8 mCi	3.6 mCi
13	0.32	1.0 mCi	1.6 mCi	3.2 mCi
14	0.30	0.9 mCi	1.5 mCi	3.0 mCi



Production facility for I-131 capsules



Oral administration of capsule

For placing the orders and further details please contact
General Manager

Technical Coordination, Logistics and Sales

Board of Radiation and Isotope Technology

V. N. Purav Marg, Mumbai - 400 094

Tel: 022-2557 3534, 022-2556 5535 Fax: 022-2556 2161, 022-2558 1319

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