

¹³¹I	¹³¹I sodium iodide solution drug substance
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Product code: I-RA-7

Description: Clear, colourless and sterile solution of ¹³¹I sodium iodide containing 10 mg/ml sodium hydrogencarbonate and 2 mg/ml sodium thiosulphate
Non-carrier added.

Specific activity: > 1000 GBq/mg

Volume: 0.2 – 10.0 ml

Radioactive concentration: 100 – 5550 MBq/ml

Radionuclidic impurities: < 0.1 %

Radiochemical purity: > 95 %

pH 8 – 11

Expiry time: 21 days from manufacture

Other information: Active ingredient for manufacture of radiopharmaceuticals by dilution with water or by capsule preparation.
For oral administration.

Indication: **Radionuclide therapy of the thyroid.**
Posology:

- hyperthyreosis: 50 - 1110 MBq per patient,
- thyroid carcinoma: 1.8 – 3.7 GBq per patient.

Storage: Store at room temperature in its own container, in accordance with the regulations on radioactive materials.

Packaging: Supplied in 6 ml injection vial closed with rubber stopper and tear-off aluminium cap. The labelled vial is placed in a lead container, which contains a paper insert and has a wall thickness of 15-30 mm (KT 1-6). The lead container is packed in a labelled tear-off metal can, which contains plastic insert (Type A packaging).

¹³¹I ISOTOPE DECAY FACTORS

day	hours	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
0	0	1.0000	0.9964	0.9928	0.9893	0.9857	0.9822	0.9787	0.9752	0.9717	0.9682	0.9647	0.9613	0.9578
	12	0.9578	0.9544	0.9510	0.9475	0.9441	0.9408	0.9374	0.9340	0.9307	0.9273	0.9240	0.9207	0.9174
1	24	0.9174	0.9141	0.9108	0.9076	0.9043	0.9011	0.8978	0.8946	0.8914	0.8882	0.8850	0.8819	0.8787
	36	0.8787	0.8755	0.8724	0.8693	0.8662	0.8631	0.8600	0.8569	0.8538	0.8507	0.8477	0.8447	0.8416
2	48	0.8416	0.8386	0.8356	0.8326	0.8296	0.8266	0.8237	0.8207	0.8178	0.8148	0.8119	0.8090	0.8061
	60	0.8061	0.8032	0.8003	0.7975	0.7946	0.7918	0.7889	0.7861	0.7833	0.7805	0.7777	0.7749	0.7721
3	72	0.7721	0.7693	0.7666	0.7638	0.7611	0.7584	0.7556	0.7529	0.7502	0.7475	0.7449	0.7422	0.7395
	84	0.7395	0.7369	0.7342	0.7316	0.7290	0.7264	0.7238	0.7212	0.7186	0.7160	0.7134	0.7109	0.7083
4	96	0.7083	0.7058	0.7033	0.7007	0.6982	0.6957	0.6932	0.6907	0.6883	0.6858	0.6833	0.6809	0.6784
	108	0.6784	0.6760	0.6736	0.6712	0.6688	0.6664	0.6640	0.6616	0.6592	0.6569	0.6545	0.6522	0.6498
5	120	0.6498	0.6475	0.6452	0.6429	0.6405	0.6383	0.6360	0.6337	0.6314	0.6291	0.6269	0.6246	0.6224
	132	0.6224	0.6202	0.6179	0.6157	0.6135	0.6113	0.6091	0.6069	0.6048	0.6026	0.6004	0.5983	0.5961
6	144	0.5961	0.5940	0.5919	0.5898	0.5876	0.5855	0.5834	0.5813	0.5793	0.5772	0.5751	0.5730	0.5710
	156	0.5710	0.5689	0.5669	0.5649	0.5628	0.5608	0.5588	0.5568	0.5548	0.5528	0.5508	0.5489	0.5469
7	168	0.5469	0.5449	0.5430	0.5410	0.5391	0.5372	0.5352	0.5333	0.5314	0.5295	0.5276	0.5257	0.5238
	180	0.5238	0.5219	0.5201	0.5182	0.5164	0.5145	0.5127	0.5108	0.5090	0.5072	0.5053	0.5035	0.5017