



विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड
भारत सरकार परमाणु ऊर्जा विभाग

BOARD OF RADIATION AND ISOTOPE TECHNOLOGY
GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

RADIOPHARMACEUTICALS, RADIOIMMUNOASSAY KITS, MISCELLANEOUS ITEMS/ACCESSORIES

1. RADIOPHARMACEUTICALS

Sl. No.	CODE	PRODUCT DESCRIPTION	ACTIVITY QUANTITY	PRICE (Rs.)
1	IOM-1	Sodium Iodide I-131 solution <u>No supply of IOM-1 less than 25 mCi;</u> <i>Supply frequency: weekly</i> Charges beyond 250 mCi will be as follows: 300 mCi = 150 mCi X 2: Rs.18,200/- 400 mCi = 200 mCi x 2 : Rs.23,200/-	25 mCi 50 mCi 100 mCi 150 mCi 200 mCi 250 mCi	
2	IOM-2	Sodium Iodide I-131 capsules (non-injectable) <i>Supply frequency: weekly</i> 10 µCi, 25 µCi or 50 µCi Activity per capsule as per customer's demand.	5 caps 10 caps 15 caps 20 caps 25 caps 30 caps 50 caps	
3	IOM-5 3 mCi	Sodium Iodide I-131 Therapeutic capsules (non-injectable) 3 mCi <i>Supply frequency: weekly</i> Minimum supply: 2 capsules	2 caps x 3 mCi 4 caps x 3 mCi 6 caps x 3 mCi 8 caps x 3 mCi 10 caps x 3 mCi	
4	IOM-5 5 mCi	Sodium Iodide I-131 Therapeutic capsules (non-injectable) 5 mCi <i>Supply frequency: weekly</i> Minimum supply: 2 capsules	2 caps x 5 mCi 4 caps x 5 mCi 6 caps x 5 mCi 8 caps x 5 mCi 10 caps x 5 mCi	

Sl. No.	CODE	PRODUCT DESCRIPTION	ACTIVITY, QUANTITY AND PRICE IN RS.
5	IOM-5 10 mCi	Sodium Iodide I-131 Therapeutic capsules (non-injectable) 10 mCi <i>Supply frequency: weekly</i> Minimum supply: 2 capsules	2 caps x 10 mCi = 3 caps x 10 mCi = 4 caps x 10 mCi = 5 caps x 10 mCi = 6 caps x 10 mCi = 7 caps x 10 mCi = 8 caps x 10 mCi = 9 caps x 10 mCi = 10 caps x 10 mCi =
6	IOM-50	Iodine 131 MIBG (I-131) injection <i>Supply frequency: monthly</i> 3 mCi = 1 mCi + 2 mCi= Rs.14,500/- 4 mCi = 2 mCi + 2 mCi= Rs.17,000/-	1 mCi 2 mCi
7	IOM-50T	Iodine 131 MIBG for Therapeutic dose	100 mCi
8	TCM-2	Sodium molybdate Mo-99 solution with reagents, additives <i>Supply frequency: weekly</i>	100 mCi 150 mCi 200 mCi 250 mCi 300 mCi 350 mCi 400 mCi 500 mCi
9	PHM-3	Sodium Orthophosphate P-32 injection <i>Supply frequency: fortnightly</i>	Upto 7 mCi 8-12 mCi 13-15 mCi
10	SAM-2	Samarium-153 EDTMP injection <i>Supply frequency: monthly</i>	per dose (65 to 75 millicurie)
11	CRM-1	Sodium Chromate Cr-51 injection <i>Supply frequency: once in 3 months for standing orders subject to availability</i>	Upto 1 mCi 2 mCi An addition of Rs. for every additional 1 mCi.

2. RADIOIMMUNOASSAY (RIA) PRODUCTS

Sl. No.	CODE	PRODUCT DESCRIPTION	QUANTITY	Price
1	RIAK-1	Kit for RIA of insulin (100 tubes)	1 kit	
2	RIAK-4	Kit for RIA of triiodothyronine (200 tubes)	1 kit	
3	RIAK-4A	Kit for RIA of triiodothyronine (100 tubes)	1 kit	
4	RIAK-5	Kit for RIA of thyroxine (200 tubes)	1 kit	
5	RIAK-5A	Kit for RIA of thyroxine (100 tubes)	1 kit	
6	RIAK-10	Kit for RIA of LH (100 tubes)	1 kit	
7	RIAK-15V	Kit for RIA of progesterone in Bovine serum (for veterinary purpose) (100 tubes)	1 kit	
8	RIAK 16	Kit for RIA of testosterone in Human serum (100 tubes)	1 kit	
9	BRIACT-1	Coated tube based kit for RIA of free thyroxin (100 tubes)	1 kit	
10	IRMAK-9	Kit for immuno radiometric assay of TSH (100 tubes)	1 kit	
11	IRMAK- 13	Kit for immunoradiometric assay of Prolactin (100 tubes) based on magnetic separation method.	1 kit	
12	IRMAK 17	Kit for immuno radiometric assay of PSA (100 tubes)	1 kit	
13	MAG-3A	MAGNETISABLE PARTICLE BASED RIA KIT OF TRIIODOTHYRONINE (T3) (100 TUBES)	1 kit	
14	MAG-3B	MAGNETISABLE PARTICLE BASED RIA KIT OF TRIIODOTHYRONINE (T3) (200 TUBES)	1 KIT	
15	MAG-3C	MAGNETISABLE PARTICLE BASED RIA KIT OF TRIIODOTHYRONINE (T3) (500 TUBES)	1 kit	
16	MAG-4A	MAGNETISABLE PARTICLE BASED RIA KIT OF THYROXINE (T4) (100 TUBES)	1 kit	
17	MAG-4B	MAGNETISABLE PARTICLE BASED RIA KIT OF THYROXINE (T4) (200 TUBES)	1 KIT	
18	MAG-4C	MAGNETISABLE PARTICLE BASED RIA KIT OF THYROXINE (T4) (500 TUBES)	1 kit	
19	MAG-11	MAGNETISABLE PARTICLE BASED IRMA KIT FOR HUMAN CHORIONIC GONADOTROPHIN (HCG) (100 TUBES)	1 kit	

AVAILABILITY : FRESH BATCH AVAILABLE ON FIRST FRIDAY OF THE MONTH

Mode of despatch normally by *SPEED POST* .

On special request by air despatch can be considered.

3.COLD KITS (All kits will be supplied as five vials per kit)

Minimum ordering quantity: 1 kit.

Kits at Sl.No. 11(**TCK-50**) and Sl.No. 12(**TCK-51**), will be supplied as **one vial per kit** . Minimum ordering quantity: 1 kit.

Sl. No.	CODE	PRODUCT DESCRIPTION	Price applicable - On single shipment basis only		
			PRICE (Rs.) (upto 10 vials) Rate per vial	PRICE (Rs.) (above 10 upto 25 vials)	PRICE (Rs.) (26 vials and above)
1	TCK-5	Kit for ^{99m} Tc Sulphur Colloid injection			
2	TCK-7	Kit for ^{99m} Tc DTPA injection			
3	TCK-15	Kit for ^{99m} Tc Glucoheptonate injection			
4	TCK-16	Kit for ^{99m} Tc Phytate injection			
5	TCK-30	Kit for ^{99m} Tc MDP injection			
6	TCK-35	Kit for ^{99m} Tc DMSA injection			
7	TCK-38	Sn-PyP kit for RBC labeling			
8	TCK-39	Kit for ^{99m} Tc Mebrofenine injection			
9	TCK-42	Kit for ^{99m} Tc ECD injection			
10	TCK 43	Kit for ^{99m} Tc EC injection			
11	TCK-50	Kit for ^{99m} Tc-MIBI injection			
12	TCK-51	Kit for ^{99m} Tc Ciprofloxacin	Rs. /- per vial (per kit)		

4. MISCELLANEOUS ITEMS/ACCESSORIES

Sl. No.	CODE	PRODUCT DESCRIPTION	QUANTITY	PRICE (Rs.)
1	TCA-2	Hand operated vacuum pump	1 no.	
2	TCA-4	Glass filtering assembly for Technetium generator	1 no.	
3	TCA-5	MEK solvent	200 ml	
4	TCA-6	Q TECH KIT :(Accessory) Quality Control kit for Tc-99m Radiopharmaceuticals	1 kit	
5	TCM 3	All glass solvent extraction generator	1 Unit	
6	TCG 1	Geltech Generator with elution kit	250 mCi	
7	TCG 2	Geltech Generator with elution kit	400 mCi	

NOTE:

Mode of despatch:

IOM-1, PHM-3, IOM-2, CRM-1	AIR DESPATCH TO OUTSTATION CUSTOMERS ON FRIDAY. PERSONAL COLLECTION FROM RMC ON FRIDAYS. (MUMBAI BASED CUSTOMERS) TCK KITS (PERSONAL COLLECTION FROM RMC ON FRIDAYS. (MUMBAI BASED CUSTOMERS)
IOM-50, IOM-5, TCM-2 AND TCK KITS	AIR DESPATCH AND DELIVERY TO MUMBAI BASED HOSPITALS ON SATURDAY.
SAM-2	AIR DESPATCH TO OUSTATION CUSTOMERS ON TUESDAYS. COLLECTION FROM PROJECT HOUSE OFFICE OF BRIT FOR MUMBAI BASED CUSTOMERS

SODIUM IODIDE I-131 THERAPEUTIC CAPSULES UNDER CODE IOM-5 WILL BE SUPPLIED AS FOLLOWS ONLY:

2 caps x 3 mCi, 4 caps X 3 mCi, 6 caps x 3 mCi, 8 caps x 3 mCi, 10 caps x 3 mCi 2 caps x 5 mCi, 4 caps X 5 mCi, 6 caps x 5 mCi, 8 caps x 5mCi, 10 caps x 3 mCi 2 caps x 10 mCi, 3 caps x 10 mCi, 4 caps x 10 mCi, 5 caps x 10 mCi, 6 caps x 10 mCi, 7 caps x 10 mCi, 8 caps x 10 mCi, 9 caps x 10 mCi , 10 caps x 10 mCi

PROCEDURE FOR ORDERING:

- **TERMS AND CONDITIONS OF SUPPLY MENTIONED IN ORDER FORM SA/4 & A/1 WOULD ONLY BE APPLICABLE .**
- ✚ Orders for supply of radiopharmaceuticals should be placed in prescribed SA/4 form for standing order and A/1 forms for single order. Advance payment in the form of demand draft drawn in favour of Accounts Officer, BRIT, should accompany the order.
- ✚ Single orders for supply should reach BRIT at least 7 days before the date of despatch.
Confirmation of supply can be given prior to despatch.
- ✚ Telephonic orders for emergency/urgent supply will be entertained subject to availability of the products and supply will be effected only if fax/order form reaches BRIT at least one day before despatch date. Confirmation of supply can be given prior to despatch only.
- **Dates of despatch for the following products code for complete year can be provided on request.**
 - ❖ CRM-1 / IOM-50 / SAM-2

THE PRICE INDICATED IN THE PRICE LIST IS INCLUSIVE OF PACKING AND FREIGHT CHARGES.

DIRECT LINES: 022- 2556 9806, 2556 5535, 25574363
Fax numbers: 022-25562161, 25581319

BRIT EXCHANGE NUMBERS:

2555 3140 /2555 3144 (extn: 2220 & 1113)



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READY-TO-USE RADIOPHARMACEUTICALS

PRODUCT DESCRIPTION	PRICE
Tc ^{99m} Pertechnatate – TCM 6	- per millicuries
Other ready-to-use Tc-99m formulations	- per millicuries



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Radiopharmaceuticals Cold Kits from Retail Outlet
(At Project House, Mumbai and RCR, Hyderabad)

Sl. No.	CODE	PRODUCT DESCRIPTION	Price applicable – On single shipment basis only
			Price in Rs. Per kit (10% Discounted Price)
1	TCK-5	Kit for ^{99m} Tc Sulphur Colloid injection	
2	TCK-7	Kit for ^{99m} Tc DTPA injection	
3	TCK-15	Kit for ^{99m} Tc Glucoheptonate injection	
4	TCK-16	Kit for ^{99m} Tc Phytate injection	
5	TCK-30	Kit for ^{99m} Tc MDP injection	
6	TCK-35	Kit for ^{99m} Tc DMSA injection	
7	TCK-38	Sn-PyP kit for RBC labeling	
8	TCK-39	Kit for ^{99m} Tc Mebrofenine injection	
9	TCK-42	Kit for ^{99m} Tc ECD injection	
10	TCK-43	Kit for ^{99m} Tc EC injection	
11	TCK-50	Kit for ^{99m} Tc MIBI injection	
12	TCK-51	Kit for ^{99m} Tc Ciprofloxacin injection	

- All kits will be supplied as five vials per kit .
- TCK-50 and TCK-51 will be supplied as one vial per kit
- Minimum ordering quantity: 1 kit



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PET Radioisotopes from Medical Cyclotron Facility, Parel

Sl. No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	FDG18	FGM1 (¹⁸ F) FDG Injection	
2.	NAF18	Flourine Based Sodium Floride (F ¹⁸) injection	

Note: Store at ambient temperature with appropriate shielding. Shelf life: 8 hours from the reference time. The half-life of F-18 is 109.7 Minutes. The vial contains a sterile, isotonic aqueous solution of radioactive 2-deoxy-2-(¹⁸F)-Fluoro-D-glucose injection, suitable for intravenous administration. It contains not less than 90.0% and not more than 110.0% of the labeled amount of ¹⁸F expressed in mCi per mL at the reference time. It may contain suitable preservatives and/or stabilizing agents.



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Industrial Irradiator Sources (Co-60)

Sl.No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	COI	Co-60 Irradiator sources (in the form of composite source rods). 1. W-91 2. PANBIT (W-91 Inner) 3. IS-99 4. IW-SP-98 5. ISOMED Type	per Ci Including transportation, installation & final disposal cost.



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Iridium-192 Radiography Sources

Sl.No.	CODE	ACTIVITY	PRICE (Rs.)
1.	IRR	Upto 20 Ci	
2.		Above 20 Ci & upto 35 Ci	
3.		Above 35 Ci & upto 50 Ci	
4.		Above 50 Ci & upto 60 Ci	
5.		Above 60 Ci & upto 70 Ci	
6.		Above 70 Ci & upto 80 Ci	
7.		Above 80 Ci & upto 90 Ci	
8.		Above 90 Ci & upto 100 Ci	

Notes:

1. The above rates are common for all types of cameras and are inclusive of processing and packing charges. Freight charges when applicable shall be charged as per following table:

Sl.No.	ZONE	ROLI-1	OTHER CAMERAS
1.	North Zone (Delhi, Punjab, Haryana, J&K, UP, Uttaranchal & Rajasthan)		
2.	West Zone (Maharashtra, Gujarat, MP & Goa)		
3.	South Zone (Tamilnadu, Karnataka, AP, Kerala & Pondicherry)		
4.	East Zone (Bihar, WB, Chhattisgarh, Orissa, Jharkhand, Assam & other north eastern states)		

2. For all the imported cameras, pigtail will be supplied by the customer.
3. Please order activity within the value permitted by AERB for the respective camera & indicate the value. Activity supplied will be within $\pm 10\%$ of the ordered quantity.
4. At the time of placement of order, please enclose DD in favour of Accounts Officer, BRIT for the source as well as freight charges indicated above. Kindly also ensure that outstanding bills, if any, are settled prior to placement of fresh order.
5. For ROLI-1, a service charge of Rs. will be payable. Major spares used for ROLI-1 camera will be charged extra. It is suggested that if you yourself notice some part not functional, a replacement of the same be also ordered alongwith the source, so that unnecessary correspondence and time delay is avoided.



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Co-60 Radiography Source

<u>CODE</u>	<u>PROCESSING CHARGES(Rs.)</u>	<u>Activity charge (Rs.)</u>	<u>ACTIVITY (Curie)</u>	<u>PRICE (Rs.)</u>
COR-1		per Curie	Upto 20 >20 Upto 35 >35 Upto 50 >50 Upto 60 >60 Upto 70 >70 Upto 80 >80 Upto 90	

Packing & Freight charges extra as applicable.

Tm-170 Radiography Source

<u>CODE</u>	<u>ACTIVITY</u>	<u>Activity & Processing Charges (Rs.)</u>
TMR	Upto 25 Curies	

Packing & Freight charges extra as applicable.



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2 cm dia Co⁶⁰ TELETHERAPY SOURCE

CODE	OUTPUT (RMM)	PRICE (Rs.)
CTS	100	
	110	
	120	
	130	
	140	
	150	
	160	
	170	

The prices are based on a fixed charge of Rs. & in addition Rs. per RMM of Co⁶⁰ activity upto 170 RMM, whereas for the activity of the source above 170 RMM, Rs. per RMM will be charged.

1. The invoice will be issued on the basis of the output of the source measured in the hot cell at BRIT as quoted in the packing note issued with the source.
2. There can be a slight variation in the output of the source when measured after loading the source in the unit. No adjustment in the charges will be applicable for such variation.
3. Transportation and installation is the responsibility of the agents of the unit.
4. Activity supplied will be within $\pm 10\%$.



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BRACHY THERAPY SOURCES / APPLICATORS

Sl.No.	CODE	PRODUCT DESCRIPTION	UNIT	PRICE (Rs.)
1.	CSA 1	Cs 137 manual after loading kit complete with accessories (sufficient for two patients)	1 kit	
2.	CSK 1	Accessories of the kit consisting of ovoids, uterine tubes etc.	1 unit	
3.	IRMW	Ir-192 Iridium wire coated with Platinum (Linear activity upto 6 mCi/cm)	50 cm.	
4.	IRMW	Ir-192 Iridium wire coated with Platinum (Linear activity upto 6 mCi/cm)	100 cm.	

- NOTE:
1. The prices indicated above are exclusive of Packing, Forwarding & Freight charges for CSA-1 & CSK-1.
 2. In case of IRMW – Packing, Forwarding & Freight charges will be charged extra at actuals.
 3. Five years warranty for CSA-1



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Cs¹³⁷ Radiation Source for Nucleonic Gauges **(Or Custom Made Radiation Source)**

CODE	ACTIVITY (mCi)	PRICE (Rs.)
CSI 1	Upto 5	
	>5 Upto 10	
	>10 Upto 25	
	>25 Upto 50	
	>50 Upto 75	
	>75 Upto 100	
	>100 Upto 150	
	>150 Upto 200	
	>200 Upto 300	
	>300 Upto 400	
	>400 Upto 500	
	>500 Upto 600	
	>600 Upto 700	
	>700 Upto 800	
	>800 Upto 900	
>900 Upto 1000		

Price Beyond 200mCi are calculated as follow:

Price Beyond 200 mCi = Rs. + Rs. for every 100 mCi or fraction thereof.

Note:

1. Packing, forwarding and freight charges will be charged extra at actuals. In addition to these charges an amount of Rs. will have to be added towards handling and loading charges for each case whenever these sources are to be loaded in users equipment.
2. Activity supplied will be within $\pm 10\%$.
3. Source dimensions:
Upto 150 mCi – 8.5 mm dia x 11.5 mm height
Above 150 mCi – 11 mm dia x 15 mm height



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CUSTOM MADE RADIATION SOURCES

Sl. No.	CODE	PRODUCT DESCRIPTION	ACTIVITY RANGE (mCi)	PRICE PER SOURCE (Rs.)
1.	CMR 1	Co-60 custom made reference source	Upto 5	
			>5 Upto 10	
			>10 Upto 25	
			>25 Upto 50	
			>50 Upto 100	
			>100 Upto 200	
			>200 Upto 300	
			>300 Upto 400	
			>400 Upto 500	
			>500 Upto 750	
			>750 Upto 1000	
			>1 Ci Upto 2 Ci	

CUSTOM MADE RADIATION SOURCES (Other than Co-60 & Cs-137)

Sl. No.	CODE	PRODUCT DESCRIPTION	ACTIVITY RANGE (mCi)	PRICE PER SOURCE (Rs.)
2.	CMR 2	Ir 192 custom made reference source	Upto 500	
3.	CMR 3	Sb 124 custom made reference source	Upto 500	
4.	CMR 6	Cr 51 custom made reference source	Upto 500	
5.	CMR 7	Tm 170 custom made reference source	Upto 500	
6.	CMR 10	Au 198 custom made reference souce	Upto 500	
7.	CMR 11	Sc 46 custom made reference source	Upto 500	
8.	CMR 13	Tb 160 custom made reference source	Upto 500	
9.	CMR 14	Na 24 custom made reference source	Upto 500	
10.	CMR 15	Os 191 custom made reference source	Upto 500	
11.	CMR 18	Hf 175 custom made reference source	Upto 500	
12.	CMR 20	Lu 177 custom made reference source	Upto 500	
13.	CMR 21	Yb 169 custom made reference source	Upto 500	
14.	CMR 4	Ce 141 custom made reference source	Upto 50	
15.	CMR 5	Hg 203 custom made reference source	Upto 50	
16.	CMR 8	Se 75 custom made reference source	Upto 50	
17.	CMR 9	Zn 65 custom made reference source	Upto 50	
18.	CMR 12	Sr 85+89 custom made reference source	Upto 50	
19.	CMR 19	Eu 152 +154 custom made ref. source	Upto 50	
20.	CMR 16	Sb 125 custom made reference source	Upto 5	
21.	CMR 17	Gd 153 custom made reference source	Upto 5	

Please note:

Packing, Forwarding and Freight charges will be charged extra at actuals. In addition to these charges an amount of Rs. will have to be added towards handling and loading charges for each case whenever these sources are to be loaded in users equipment.

CMR 1 & CMR 2 will be supplied in capsules of dimensions 8.5 mm dia x 11.5 mm height.

CMR 1 & CMR 2 with tag will be supplied in dimensions of 11 mm dia x 15 mm height + 16 mm long tag.

CMR 3 will be supplied in capsule of dimensions 11 mm dia x 20 mm height.

All other sources will be supplied in capsule of dimensions 11 mm dia x 16 mm height with a tag of 16 mm long.

Activity supplied will be within $\pm 10\%$.



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Disposal charges for Sealed Sources

Sl.No.	CODE	PRODUCT DESCRIPTION	CHARGES (Rs.)
1.	Service	Disposal of decayed imported teletherapy source	
2.	Service	Disposal of decayed HDR Ir-192 source	
3.	Service	Disposal of decayed Nucleonic gauge source	

Note:

Old HDR Ir-192 sources should be returned to supplier abroad in the same container in which replacement source is received.



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CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
ROLI-1	Radiography Camera along with accessories. <u>Accessories:</u> Driving Unit - 1 No. 3M guide tube - 1 No. 1M guide tube - 1 No. Mild steel trolley - 1 No. Tungsten Unidirectional Collimator - 1 No. Tungsten Panoramic Collimator - 1 No. Total:	

Note:

1. Packing, Forwarding & Freight charges will be charged extra.
2. Supply will be effected within 30 days after receipt of payment and receipt of authorization from AERB & inspection of the camera.
3. Payment Terms:- In advance by Demand Draft in favour of Accounts Officer, BRIT.



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ROLI-1 SPARES

Sl. No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	SPOR 01	Cranking handle	
2.	SPOR 02	Keltron counter	
3.	SPOR 03	Conduit holder for driving unit / guide tube	
4.	SPOR 04	Coupling nut for conduit holder	
5.	SPOR 05	Drive cable conduit holder	
6.	SPOR 06	Ball coupling replacement	
7.	SPOR 07	Top label on camera	
8.	SPOR 08	Side label (Radiation symbol)	
9.	SPOR 09	Rectangular label on gear box	
10.	SPOR 10	Round label on gear box	
11.	SPOR 11	Nyclon coupling for driving unit	
12.	SPOR 12	Interlock repair	
13.	SPOR 13	Interlock replacement	
14.	SPOR 14	Gear box	
15.	SPOR 15	Teleflex cable (12M) with ball coupling	
16.	SPOR 16	Exposure head	
17.	SPOR 17	Free end cap	
18.	SPOR 18	8M drive conduit with end fittings	
19.	SPOR 19	3M guide tube with end fittings	
20.	SPOR 20	1M guide tube with end fittings	
21.	SPOR 21	3.5M free end conduit	
22.	SPOR 22	Source arrester assembly	
23.	SPOR 23	Front cap	
24.	SPOR 24	Trolley	
25.	SPOR 25	Source stopper plug	
26.	SPOR 26	Godrej lock of interlock	
27.	SPOR 27	Godrej lock for back cover	
28.	SPOR 28	Driving Unit frame (without gear box casing)	
29.	SPOR 29	Cover plate for counter	
30.	SPOR 30	Back cover	
31.	SPOR 31	Gear box casing (without cover)	
32.	SPOR 32	Tungsten collimator (each)	
33.	SPOR 33	Service charges	

Packing & Freight charges extra as applicable.



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GAMMA CHAMBERS / BLOOD IRRADIATOR
/ LOW DOSE IRRADIATOR

Sl. No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	GC 5000	Gamma Chamber 5000 Unit loaded upto 13000 Ci of Co-60, Including <i>Transportation</i> (Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site)	
2.	GC 1200	Gamma Chamber 1200 Unit, Including <i>Transportation</i> (Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site)	
3.	BI 2000	Blood Irradiator Unit loaded with upto 800 Ci of Cobalt-60, Including <i>Transportation</i> . (Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site)	
4.	LDI 2000	Low Dose Irradiator Unit loaded upto 800 Ci of Cobalt-60, Including <i>Transportation</i> . (Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site)	
5.	GAMREP	Servicing / Repair Charges for Radiation Technology Equipments (GC 5000, GC 1200, BI 2000, LDI 2000)	ANY MAJOR COMPONENT REPLACED WILL BE CHARGED EXTRA

REFURBISHMENT / DISPOSAL
OF GAMMA CHAMBERS

Sl.No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	GC 4000A-R	Refurbishment and replenishment of Gamma Chamber 4000A Unit. 1. Inclusive of Source, Refurbishment, Installation and Transportation. 2. Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site.	
2.	GC 900R	Refurbishment and replenishment of Gamma Chamber 900 Unit. 1. Inclusive of Source, Refurbishment, Installation and Transportation. 2. Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site.	
3.	GC 4000AD	Disposal of Gamma Chamber 4000A 1. Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site. 2. Transportation of the unit to BRIT will be extra.	
4.	GC 900D	Disposal of Gamma Chamber 900 1. Local Expenses are extra like hiring of appropriate mobile crane and hiring of skilled labourers on site. 2. Transportation of the unit to BRIT will be extra.	

LOW DOSE IRRADIATOR AND BLOOD IRRADIATOR ON RENTAL BASIS

Sl.No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1	LBIR	Low Dose Irradiator (LDI 2000) on rental basis.	
2	LBIR	Blood Irradiator (BI 2000) on rental basis.	
<i>Note:</i>			
1. Rental charges will be reviewed after 3 years.			
2. Minimum time of contract for rental is fixed for 6 years.			



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Radiochemicals

Sl. No.	PRODUCT DESCRIPTION	CODE	UNIT	Processing Charges (Rs.)	Activity Charges (Rs.)
1.	Antimony 122 in HCl solution	SB 1	mCi		
2.	Antimony 124 in HCl solution	SB 2	mCi		
3.	As 76 in Sodium Hydroxide	AS 3	mCi		
4.	Ba 131 in HCl solution	BA 1	mCi		
5.	Ba 133 in HCl solution	BA 2	0.10 mCi		
6.	Br 82 neutral solution	BR 1	mCi		
7.	Br 82 Ammonium Bromide	BR 2	mCi		
8.	Br 82 as Ammonium Bromide	BR 3	mCi		
9.	Cd 115m in HNO ₃ solution	CD 1	mCi		
10.	Cd 115 in HNO ₃ solution	CD 2	mCi		
11.	Cs 134 in HCl solution	CS 1	mCi		
12.	Cs 137 in HCl solution	CS 2	mCi		
13.	Ca 45 in HCl solution	CA 1	mCi		
14.	Ca 45 in HCl solution	CA 2	mCi		
15.	Ce 141 in HCl solution	CE 1	mCi		
16.	Cl 36 in HCl solution	CL 1	0.10 mCi		
17.	Cr 51 in HCl solution	CR 1⁺	mCi		
18.	Cr 51 in aqueous solution	CR 2⁺	mCi		
19.	Cr 51 as Cr-EDTA in solution	CR 3⁺	mCi		
20.	Cr 51 Cr III Chloride in dil. HCl solution	CR 4⁺	mCi		
21.	Cr 51 as sodium chromate in isotonic saline solution	CR.SP	25 mCi		6120/-
22.	Co 58 in HCl solution	CO 1	mCi		
23.	Co 60 in HCl solution	CO 2	mCi		
24.	Cu 64 neutral solution	CU 1	mCi		
25.	Er 169 in HCl solution	ER 1	mCi		
26.	Eu 152 + 154 in HCl solution	EU 1	mCi		
27.	Gd 153 in HCl solution	GD 1	mCi		
28.	Au 198 solution	AU 1	mCi		

Sr. No.	PRODUCT DESCRIPTION	CODE	UNIT	Processing Charges (Rs.)	Activity Charges (Rs.)
29.	Au 199 solution	AU 2	mCi		
30.	Ho 166 in HCl solution	HO 1	mCi		
31.	In 114m + 114 in HCl solution	IN 1	mCi		
32.	I 131 solution (Carrier Free)	I 1	5 mCi 10 mCi 25 mCi		
33.	I 131 solution (Carrier Free)	I 2	50 mCi 100 mCi 200 mCi		
34.	Ir 192 in HCl solution	IR 1	mCi		
35.	Fe 55+59 in HCl solution	FE 1	0.10 mCi		
36.	Iron 59 in HCl solution	FE 2	0.10 mCi		
37.	Iron 59 as Ferric chloride in HCL solution	FE 3	0.10 mCi		
38.	Iron 55 as Ferric chloride	FE 4	0.10 mCi		
39.	Lanthanum 140 in HCl solution	LA 1	mCi		
40.	Lutecium-177 in HCl solution	LU 1	mCi		
41.	Mn 54 in HCl solution	MN 1	0.50 mCi		
42.	Mo 99 in NH4OH solution	MO 1	mCi		
43.	Mo 99 in NaOH solution	MO 3	mCi		
44.	Nd 63 in HCl solution	ND 1	mCi		
45.	Ni 63 in HCl solution	NI 1	mCi		
46.	Osmium 191 + 193 in HCl solution	OS 1	mCi		
47.	Pd 103 in HCl solution	PD 1	mCi		
48.	P 32 in HCl solution	P 1	mCi		
49.	P 32 in HCl solution	P 3	mCi		
50.	Po 210 in HNO3 solution	PO 1	0.05 mCi		
51.	Polonium 210	PO 2	0.05 mCi		
52.	Potassium 42 in HCl solution	K 1	mCi		
53.	Pr 142 in HCl solution	PR 1	mCi		
54.	Pm 147 solution	PM 2	mCi		
55.	Re 186 in HNO3 solution	RE 1	mCi		
56.	Rb 86 in HCl solution	RB 1	mCi		
57.	Samarium 153 in HCl solution	SM 1	mCi		
58.	Scandium 46 in HCl solution	SC 1	mCi		
59.	Selenium 75 in sodium selsulphate solution	SE 1	mCi		
60.	Ag 110m inHNO3 solution	AG 1	mCi		
61.	Ag 111 in HCl solution	AG 2	mCi		
62.	Na 24 NaCl in aqueous solution	NA 1	mCi		

Sl. No.	PRODUCT DESCRIPTION	CODE	UNIT	Processing Charges (Rs.)	Activity Charges (Rs.)
63.	Strontium 85 + 89 in HNO3	SR 1	mCi		
64.	Strontium 90 in HNO3 solution (Carrier Free)	SR 2	mCi		
65.	Sulphur 35 in HCl solution (Carrier Free)	S 1	mCi		
66.	Tellurium 132 in NaOH solution (Carrier Free)	TE 2	mCi		
67.	Tb 160 in HCl solution	TB 1	mCi		
68.	Thallium 204 sulphate in Aqueous solution	TL 1	mCi		
69.	Thulium 170 in HCl solution	TM 1	mCi		
70.	Tin 113 in HCl solution	SN 1	mCi		
71.	Tungston 185 in Aqueous solution	W 1	mCi		
72.	Tungston 187 tungstate in Aqueous solution	W 2	mCi		
73.	Ytterbium 169 in HCl solution	YB 1	mCi		
74.	Ytterbium 175	YB 2	mCi		
75.	Ytterium 90 in HCl solution	Y 1	mCi		
76.	Ytterium 90	Y 3	mCi		
77.	Zinc 65 in HCl solution	ZN 1	mCi		
78.	Zirconium 95 in oxalic acid solution (C.F.)	ZR 2	mCi		
79.	Zirconium 97	ZR 3	mCi		

80.	Elemental Mercury	HGS-2	Upto 5 mCi Upto 10 mCi Upto 20 mCi Upto 50 mCi Above 50 mCi	
	Elemental Mercury (Bulk Supply)	HGS-2B	5 mCi 10 mCi 20 mCi 50 mCi 100 mCi 200 mCi	
	Mercury in HNO3 soln.	HG-2	5 mCi 10 mCi 20 mCi 50 mCi	

Please note: Packing, Forwarding & Freight charges will be charged extra at actuals.



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Radiochemicals (SPECIAL DISPENSING)

Sl. No.	PRODUCT DESCRIPTION	CODE	Processing Charges (Rs.)	Activity Charges Per μ Ci (Rs.)
1.	Ba 133 Radiochemicals	BA 5		
2.	Cd 109 Radiochemicals (Special Dispensing)	CD 4		
3.	Cs 137 Radiochemicals	CS 3		
4.	Co 57 Radiochemicals	CO 4		
5.	Iodine 125	I 4		
6.	Iron 55	FE 5		
7.	Pb 210 (Bismuth 210) Radiochemicals (Special Dispensing)	PB 1		
8.	Pm 147 Promethium 147 Radiochemicals	PM 3		
9.	Na 22 Radiochemicals	NA 2		
10.	Strontium 90 (Yttrium-90) Radiochemicals (Special Dispensing)	SR 4		
11.	Technitium 99 Radiochemicals (Special Dispensing)	TC 3		
12.	Mn-54 Radiochemical	MN 2		

Please Note:

Maximum Activity per consignment is 100 μ Ci.

Packing, Forwarding & Freight charges will be charged extra at actuals.



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INORGANIC LABELLED COMPOUNDS

Sl. No.	PRODUCT DESCRIPTION	CODE	UNIT	Processing Charges (Rs.)	Activity Charges (Rs.)
1.	Cr 51 EDTA Complex-Chromium 51	CRS 1	mCi		
2.	Co 58 Cobalt EDTA Complex	COS 2	mCi		
3.	Zinc EDTA Complex Zinc 65	ZNS 1	mCi		
4.	Co 60 Cobalt EDTA Complex	COS 4	mCi		
5.	Co 58 Potassium Cobalt Cyanide	COS 1	mCi		
6.	Co 60 Potassium Cobalt Cyanide	COS 3	mCi		
7.	Co 60 Cobalt Naphthanate	COS 5	mCi		
8.	Elemental Iodine Iodine 131	IOS 6	mCi		
9.	Iodinated Triolein	IOS 12	mCi		
10.	Hg 197m+197 Elemental Mercury	HGS 1	mCi		
11.	P 32 Phosphoric Acid	PHS 5	mCi		
12.	Br 82 Methyl Bromide	BRN 1	mCi		
13.	P 32 Sodium Dihydrogen Orthophosphate	PHS 8	mCi		
14.	P 32 Disodium Hydrogen Orthophosphate	PHS 3	mCi		
15.	P 32 Trisodium Orthophosphate	PHS 12	mCi		
16.	P 32 Potassium Dihydrogen Orthophosphate	PHS 14	mCi		
17.	P 32 Dipotassium Hydrogen Orthophosphate	PHS 15	mCi		
18.	P 32 Tripotassium Orthophosphate	PHS 11	mCi		
19.	Sulphuric acid – Sulphur 35	SUS 3	mCi		
20.	Sodium Sulphate – Sulphur 35	SUS 4	mCi		
21.	Sodium Sulphide – Sulphur 35	SUS 1	mCi		

Please note: Packing, forwarding & freight charges will be charged extra at actual.



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LABELLED FERTILIZERS

Sl.No.	PRODUCT DESCRIPTION	CODE	Max. Consig. size	Processing Charges (Rs.)	Activity Charges per mCi (Rs.)
1.	P 32 Dicalcium Orthophosphate	PHS 1	250 g.		
2.	P 32 Monocalcium Orthophosphate	PHS 2	250g		
3.	P 32 Diosodium Hydrogen Orthophosphate	PHS 39	100 g.		
4.	P 32 Sodium Dihydrogen Orthophosphate	PHS 40	100 g.		
5.	P 32 Sodium Pyrophosphate	PHS 9	5 mCi		
6.	P 32 Potassium Dihydrogen Orthophosphate	PHS 41	100 g.		
7.	P 32 Dipotassium Hydrogen Orthophosphate	PHS 42	100 g.		
8.	P 32 Ammonium Dihydrogen Orthophosphate	PHS 17	250 g.		
9.	P 32 Diammonium Hydrogen Orthophosphate	PHS 18	250 g.		
10.	P 32 Potassium Pyrophosphate	PHS 27	5 mCi		
11.	P 32 Triple Superphosphate	PHS 32	250 g.		
12.	P 32 Single Superphosphate	PHS 34	200 caps		
13.	P 32 Nitrophosphate	PHS 33	250 g.		
14.	P 32 Amophos	PHS 35	250 g.		
15.	P 32 Tri Calcium Orthophosphate	PHS 36	100 g.		
16.	P 32 Triammonium Pyrophosphate	PHS 37	20 g.		
17.	P 32 Tetra Ammonium Pyrophosphate	PHS 38	20 g.		
18.	Ca 45 as Calcium Sulphate	CAS 2	100 g.		
19.	Ca 45 as Calcium Carbonate	CAS 3	100 g.		
20.	Ammonium Sulphate – Sulphur 35	SUS 7	100 g.		
21.	Calcium Sulphate – Sulphur 35	SUS 8	100 g.		

Please note:-

When a consignment is to be distributed in more than one lot an additional charge of Rs /- will be levied per lot.

These products are supplied in solid form.

Packing, Forwarding & Freight charges will be charged extra at actuals.

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LOW LEVEL & SPECIAL RADIATION SOURCES

BETA REFERENCE SOURCES-BRS*

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (μ Ci)
1.	BRS-2 (Co-60)		
2.	BRS-3 (Pb-210-Bi-210)		
3.	BRS-4 (Sr-90-Y-90)		
4.	BRS-5 (Tl-204)		
5.	BRS-7 (Ca-45)		
6.	BRS-8 (P-32)		
7.	BRS-9 (Pm-147)		
8.	DS Dummy sources		

*BRS – Beta source at the center of 25 mm dia X 5 mm (OD) thick plastic disc source holder, with suitable film window

SEMI – Beta source at the center of 25 mm dia X 3 mm (OD) thick Semi-Circular plastic disc source holder, with suitable film window



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LOW LEVEL & SPECIAL RADIATION SOURCES

CONVERSION ELECTRON REFERENCE SOURCE

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (μ Ci)
1.	BAC-1 (Ba-133)		
2.	CEC-1 (Ce-141)		
3.	CSC-1 (Cs-137)		
4.	COC-1 (Co-57)		
5.	SNC-1 (Sn-113)		

Conversion electron sandwiched evaporated source between suitable thickness of aluminized mylar film rings: mounted on 25 mm dia X 5 mm thick (OD) plastic disc, adhesive (epoxy) sealed source. Active dia: ~6 mm at the center.



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LOW LEVEL & SPECIAL RADIATION SOURCES

INDUSTRIAL RADIATION SOURCES

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (μ Ci) OR 37 MBq (mCi)
1.	COSM-4 Electrodeposited Cobalt-57		/ 37 MBq (mCi)
2.	ENI-2 Electrodeposited Nickle-63		/ 37 MBq (mCi) / Above 75 μ Ci
3.	EFE-1 Electrodeposited Ferrum-55		/ 37 MBq (mCi)
4.	ECD-1 Electrodeposited Cadmium-109		/ 37 MBq (mCi)
5.	BSTM-1 Electrodeposited Tl-204	per source of < 3.7 MBq (100 μ Ci)	
6.	PMDM-1 Electrodeposited Pm-147	per source of ~ 9.25 MBq (~250 μ Ci)	
7.	ENI-1 Electrodeposited Nickle-63 TLD sources	per source of ~ 2.8 MBq (~75 μ Ci)	
8. #	PCO-1 Polymer radioactive film Cobalt-60 ("PIP" TAG sources)	per source of ~ 37 kBq (~ 1 μ Ci)	

All the above sources are Electrodeposited sources except C0-60 "PIP" TAG sources.

Dimensions:

Co-60 "PIP" TAG sources are Evaporated thin polymer sources with the activity distributed uniformly.



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LOW LEVEL & SPECIAL RADIATION SOURCES

NUCLEAR MEDICINE REFERENCE SOURCES

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (µCi)
1.	COSM-3 (C0-57)		

COSM-3 Cobalt-57 Spot Marker Source (Anatomical Markers)

Evaporated gamma point source adsorbed on ceramic bead: mounted at the center of 25 mm dia X 5 mm thick (OD) color-coded plastic disc, adhesive (epoxy) sealed sources. Active dia: ~ 2 mm.



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LOW LEVEL & SPECIAL RADIATION SOURCES

GAMMA REFERENCE SOURCES – DISC TYPE

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges per source (Rs.)	Radio-activity charges Rs./37kBq (μ Ci)
1.	GDS-1 (Ba-133)		
2.	GDS-2 (Cs-137)		
3.	GDS-3 (Co-57)		
4.	GDS-4 (Co-60)		
5.	GDS-5 (Mn-54)		
6.	GDS-6 (Simulated I-131)		
7.	GDS-7 (Na-22)		
8.	GDS-8 (Cr-51)		
9.	GDS-9 (Hg-203)		
10.	GDS-10 (Zn-65)		
11.	GDS-11 (I-131)		
12.	GDS-13 (Eu-152)		

GDS – Gamma Disc Source.

Evaporated source at the center of 25 mm dia X 5 mm thick (OD) color-coded plastic disc: adhesive (epoxy) sealed source. Active dia: ~6 mm



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GAMMA REFERENCE SOURCES – ROD TYPE

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (μCi)
1.	GRS-1 (Ba-133)		
2.	GRS-2 (Cs-137)		
3.	GRS-3 (Co-57)		
4.	GRS-4 (Co-60)		
5.	GRS-5 (Mn-54)		
6.	GRS-6 (Simulated I-131)		
7.	GRS-7 (Na-22)		
8.	GRS-8 (Cr-51)		
9.	GRS-9 (Hg-203)		
10.	GRS-10 (Zn-65)		
11.	GRS-11 (I-131)		
12.	GRS-13 (Eu-152)		

GRS - Gamma Rod Source.

Evaporated source at the end of 12 mm dia X 100 mm length (OD) color coded plastic rod: adhesive (epoxy) sealed source. Active dia: ~6 mm



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LOW LEVEL & SPECIAL RADIATION SOURCES

X-RAY & LOW ENERGY GAMMA REFERENCE SOURCES

- Reference & Custom Made Source -

Sl.No.	PRODUCT CODE	Fabrication charges (Rs.)	Radio-activity charges Rs./37kBq (μ Ci)
1.	BAX-1 (Ba-133)		
2.	COX-1 (Co-57)		
3.	FEX-1 (Fe-55)		
4.	IOX-1 (I-125)		
5.	SNX-1 (Sn-113)		

X-Ray & Low Energy Gamma source at the centre of 25 mm dia X 5 mm thick (OD) plastic disc: adhesive (epoxy) evaporated sealed source covered with suitable Mylar film window.

Active dia: ~6mm.

ALPHA REFERENCE SOURCE

Sl.No.	PRODUCT CODE	PRODUCT DESCRIPTION	Cost (Rs.)
1.	AMS-1	Electrodeposited 241 Americium α reference source upto 0.2 μ Ci	per source

Electrodeposited on S.S. planchette of 25 mm dia x 5 mm thick.

Active dimension: 10 mm dia.



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BETA & GAMMA REFERENCE SOURCE KITS - DISC TYPE

- Reference & Custom Made Source -

Sl. No.	CODE	PRODUCT DESCRIPTION	Activity Per Box	PRICE (Rs.) Per Box
1.	BDB-1	Box containing a set of 4 Beta Disc Sources and one Dummy Source	4 X 0.3 μ Ci Per box	
2.	GDB-1	Box containing a set of 5 Gamma Disc Sources and one Dummy Source	5 X 3 μ Ci Per box	

1. Beta Disc Source: Beta Source at the centre of 25 mm dia x 5 mm (OD) thick plastic disc source holder with suitable window.
2. Gamma Disc Source: Evaporated source at the centre of 25 mm dia x 5 mm thick (OD) colour coded plastic disc adhesive (epoxy) sealed sources. Active dia: ~ 6 mm.
3. Packing, forwarding & freight charges will be levied at actuals.

Note:

1. BDB-1 will be charged as 2000/- X 4 = Rs. 8,000/=
2. GDB-1 will be charged as 2000/- X 5 = Rs. 10,0000/=



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CARBON-14 LABELLED COMPOUNDS

Sl. No.	PRODUCT DESCRIPTION	CODE	SPECIFIC ACTIVITY mCi / mmole (GBq / mmole)	PRICE (Rs.)	
				0.1 mCi	0.5 mCi
1	Acetic-1- ¹⁴ C anhydride	LCC 51	50-100 (1.85-3.7)		
2	L-Alanine- ¹⁴ C (U) 3% Ethanol solution	LCC 153	> 75 (> 2.775)		
3	Algae Protein Hydrolysate- ¹⁴ C (U) 0.01N HCl Solution	LCC 111	> 25 (> 0.925)		
4	L-Arginine- ¹⁴ C (U) 3% Ethanol solution	LCC 154	> 150 (> 5.55)		
5	L-Aspartic acid- ¹⁴ C (U) 3% Ethanol solution	LCC 155	> 100 (> 3.7)		
6	Benzoic acid (carboxyl- ¹⁴ C) Solid	LCC 6	15 (0.555)		
7	Choline-methyl- ¹⁴ C chloride	LCC 195	5-10(0.185-0.37)		
8	2-Deoxy glucose- ¹⁴ C(U)	LCC 231	150-250 (5.55-9.25)		
9	D-Fructose- ¹⁴ C (U) 80% Ethanol solution	LCC 8	150 - 250 (5.55 - 9.25)		
10	D-Glucose- ¹⁴ C (U) 80% Ethanol solution	LCC 9	150 - 250 (5.55 - 9.25)		
11	D-Glucosamine- ¹⁴ C(U)Hydrochloride 80% Ethanol solution	LCC 193	150 - 250 (5.55 - 9.25)		
12	D-Glucose-1- ¹⁴ C 80% Ethanol solution	LCC 10	10 - 50 (0.37 - 1.85)		
13	L-Glutamic acid- ¹⁴ C (U) 3% Ethanol solution	LCC 156	> 125 (> 4.625)		
14	DL-Glyceric acid-1- ¹⁴ C Aqueous solution	LCC 189	2 - 5 (0.074 - 0.185)		
15	Glycerol-1- ¹⁴ C Aqueous solution	LCC 196	2 - 5 (0.074 - 0.185)		
16	Glycine- ¹⁴ C (U) 3% Ethanol solution	LCC 121	> 50 (> 1.85)		
17	Glycine-2- ¹⁴ C 3% Ethanol solution	LCC 12	20 - 30 (0.74 - 1.11)		

Sl. No.	PRODUCT DESCRIPTION	CODE	SPECIFIC ACTIVITY mCi / mmole (GBq / mmole)	PRICE (Rs.)	
				0.1 mCi	0.5 mCi
18	Glycolic acid-1- ¹⁴ C Aqueous solution	LCC 171	5 -10 (0.185 - 0.37)		
19	Guanine-8- ¹⁴ C Hydrochloride Solid	LCC 14	10 - 30 (0.37 - 1.11)		
20	L-Lactic acid- ¹⁴ C (U) Aqueous solution	LCC 139	60 - 120 (2.22 - 4.44)		
21	L-Leucine- ¹⁴ C (U) 3% Ethanol solution	LCC 157	> 150 (> 5.55)		
22	L-Isoleucine- ¹⁴ C (U) 3% Ethanol solution	LCC 124	> 150 (> 5.55)		
23	L-Lysine- ¹⁴ C (U) 3% Ethanol solution	LCC 158	> 125 (> 4.625)		
24	L-Malic acid- ¹⁴ C (U) 3% Ethanol solution	LCC 169	2 – 5 (0.074 - 0.185)		
25	D-Mannose- ¹⁴ C (U) 80% Ethanol solution	LCC 170	150 - 250 (5.55 - 9.25)		
26	Methanol- ¹⁴ C (minimum order 5 mCi)	LCC 71	10 - 50 (0.37 - 1.85)	1.0mCi =	
27	Methyl iodide- ¹⁴ C (minimum order 5 mCi)	LCC 77	10-50 (0.37-1.85)	1.0mCi =	
28 a	Myristic acid- ¹⁴ C Solid	LCC 18	3 (0.111)		
28 b	Palmitic acid - ¹⁴ C solid	LCC 21	20 - 30 (0.74 - 1.11)		
29	2,4-(Dichloro) Phenoxy acetic acid-2- ¹⁴ C Toluene solution	LCC 141	1 – 5 (0.037- 0.185)		
30	L-Phenyl alanine- ¹⁴ C (U) 3% Ethanol solution	LCC 159	> 225 (> 8.325)		
31	Potassium cyanide- ¹⁴ C Solid	LCC 29	30 – 50 (1.11-1.85)	1mCi	
32	Potassium thiocyanate- ¹⁴ C Solid	LCC 110	5 – 10 (0.185-0.37)	1mCi	
33	L-Proline- ¹⁴ C (U) 3% Ethanol solution	LCC 128	25 – 50 (0.925- 1.85)		
34	L-Serine- ¹⁴ C (U) 3% Ethanol solution	LCC 160	> 75 (> 2.775)		

Sl. No.	PRODUCT DESCRIPTION	CODE	SPECIFIC ACTIVITY mCi / mmole (GBq / mmole)	PRICE (Rs.)	
				0.1 mCi	0.5 mCi
35	Sodium acetate-1- ¹⁴ C Aqueous solution	LCC 32	40 – 50 (1.48- 1.85)		
36	Sodium acetate-2- ¹⁴ C Aqueous solution	LCC 33	10 – 50 (0.37- 1.85)		
37	Sodium acetate-1,2- ¹⁴ C Aqueous solution	LCC 34	10 – 40 (0.37- 1.48)		
38	Sodium bicarbonate- ¹⁴ C Aqueous solution	LCC 35	40 – 50 (1.48- 1.85)		
39	Sodium bicarbonate- ¹⁴ C for Phytoplankton productivity studies Aqueous solution, pH 9.5 5uCi / ml / ampoule	LCC 162	2.1 (0.0777)	50 amp = 100amp = 500 amp=	
40	Sodium carbonate- ¹⁴ C Aqueous solution	LCC 37	40 - 50 (1.48-1.85)		
41	Sucrose- ¹⁴ C (U) 80% Ethanol solution	LCC 164	> 100 (> 3.7)		
42	Thiourea- ¹⁴ C Solid	LCC 45	5 – 10 (0.185- 0.37)		
43	L-Threonine- ¹⁴ C (U) 3% Ethanol solution	LCC 130	> 100 (> 3.7)		
44	Thymine-2- ¹⁴ C Solid	LCC 46	10 – 50 (0.37- 1.85)		
45	L-Tyrosine- ¹⁴ C(U) 3% Ethanol solution	LCC 166	> 225 (> 8.325)		
46	Uracil-2- ¹⁴ C Solid	LCC 48	10 – 40 (0.37- 1.48)		
47	Urea- ¹⁴ C Solid	LCC 49	10 – 40 (0.37- 1.48)		
48	L-Valine- ¹⁴ C (U) 3% Ethanol solution	LCC 132	> 100 (> 3.7)		
49	Sodium-2- ¹⁴ C-Malate	LCC 99	5 - 10 (0.18 - 0.37)		
50	Starch	LCC 134	----	per mCi	
51	¹⁴ C- Urea Capsules	LCM 1	----	per Capsule	
52	n- Hexadecane-1- ¹⁴ C (Reference standard for calibration of LSA / LSS)	LCR 3	2 X 10 ³ dpm / mg	per gm	Per 10 gm
53	n- Hexadecane-1, 2-T	LCR 4	4 X 10 ³ dpm/mg	per gm	Per 10 gm
54	Water-T	LCR 5	5 X 10 ³ dpm/mg	per gm	Per 10 gm



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BOARD OF RADIATION AND ISOTOPE TECHNOLOGY

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CUSTOM SYNTHESIZED ¹⁴C LABELLED COMPOUNDS

Price for custom synthesized labelled compounds are available on request

Sl.No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.) **
1.	LCCS 1	Ethyl formate- ¹⁴ C	Available On Request.
2.	LCCS 2	Ethylene urea- ¹⁴ C	
3.	LCCS 3	Hexaconazole- ¹⁴ C	
4.	LCCS 4	Acephate- ¹⁴ C (methylthio)	
5.	LCCS 5	Ammonium thiocyanate- ¹⁴ C	For 100 mCi
6.	LCCS 6	Dimethyl isosorbide [Ring U- ¹⁴ C]	Per mCi
7.	LCCS 7	Pyriithiobac- ¹⁴ C sodium	Per mCi
8.	LCCS 8	Diuron- ¹⁴ C	0.5mCi =
9.	LCCS 9	Kresoxim-methyl- ¹⁴ C	Per mCi
10.	LCCS 10	Sodium [1- ¹⁴ C] lauryl sulphate	Per mCi
11.	LCCS 11	Coenzyme-Acetyl-1- ¹⁴ C	10 µCi = 25 µCi = 50 µCi =
12.	LCCS 12	Chloramphenicol-acetyl-1- ¹⁴ C	25 µCi = 50 µCi =
13.	LCSP 1	Potassium ³² P-phosphonate	Per mCi
14.	LCCS 13	SPARC-01- ¹⁴ C	Per mCi
15.	LCCS 14	¹⁴ C NIPAM & NIPAM VP Copolymer	For 0.3 mCi
16.	LCCS 16	¹⁴ C Glucose 6-phosphate	0.1 mCi =
17.	LCCS 17	¹⁴ C Fructose 6-phosphate	0.1 mCi =

- (*)These Prices are as per last order received.
- (**)These prices are Excluding packing, forwarding and freight charges.



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CUSTOM SYNTHESIZED ³H LABELLED COMPOUNDS

Price for custom synthesized labelled compounds are available on request

Sl.No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)**
1.	LCST 1	Serotonin Hydrochloride T(G)	
2.	LCST 3	3H Telithromycin (Tritium Labelling)	
3.	LCST 4	3H Linezolid Telithromycin (Tritium Labelling)	
4.	LCST 5	Tritiated L-Arginine	
5.	LCST 6	Tritiated Guanosin Mono Phosphate (GMP)	
6.	LCST 7	Succinic Acid 2,3-T	

- * These prices are as per last order received.
- ** These prices are excluding of packing, forwarding and freight charges.



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TRITIUM LABELLED COMPOUNDS

Sl. No.	CODE	PRODUCT DESCRIPTION	SPECIFIC ACTIVITY mCi/mmole(GBq/mmole)	PRICE (Rs.)
1	LCT 3	Thymidine - methyl - T 50% Ethanol solution	5000 - 10000 (185 - 370)	per mCi
2	LCT 53	Thymidine - methyl - T 50% Ethanol solution	10000 - 20000 (370 - 740)	per mCi
3	LCT 17	Tritiated water	1 - 10 mCi / ml (0.037 - 0.37 GBq / ml)	per Ci (If the order is for more than 10 mCi)
4	LCT 51	Tritiated water	70 - 1000 mCi / ml (2.59 - 37 GBq / ml)	per Ci (If the order is for more than 10 mCi)
5	LCT 17/51	Tritiated Water	As above	(If the order is Upto 10 mCi)
6	LCT 30	Uracil-5-T 50% Ethanol solution	5000 - 10000 (185-370)	per mCi
7	LCT 55	Uridine -5 -T 50% Ethanol solution	10000 - 20000 (370 - 740)	per mCi
8	LCT 11	L-Leucine - T(G) 50% Ethanol solution	5000 - 10000 (185 - 370)	per mCi
9	LCR 4	n- Hexadecane-1,2-T (Reference Standard for calibration of LSA / LSS)	4 X 10 ³ dpm / mg	for 1 gm. for 10 gm
10	TTS	Tritium Titanium Suspension	----	per mCi
11	LCT 13	L-Phenylalanine-T(G)	10000 - 15000 (370 - 555)	Upto 1 mCi= Upto 5 mCi=
12	TLS	Tritium Labelling Service	is the charge for one tritiation/one batch operation	

- This is inclusive of processing charges of Rs.
- Packing, Forwarding and freight charges are extra at actual



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TRITIUM FILLED LUMINOUS SOURCES

(for Government institutes)

Sl. No.	CODE	OD (mm)	Length (mm)	Shape	Activity (mCi)	PRICE/SOURCE (If the order is for less than 100 source) Rs.	PRICE/SOURCE (If the order is for 100 or more than 100 source) Rs.
1	TFS 6	4	25	Curved	300		
2	TFS 7	3	10	Straight	120		
3	TFS 8	3	25	Straight	300		
4	TFS 10	6	35	Curved	1000		
5	TFS 11	4	26	Curved	300		
6	TFS 12	4	30	Curved	370		
7	TFS 13	3	13	Curved	140		
8	TFS 14	3	12	Curved	140		
9	TFS 15	6	20	Curved	400		
10	TFS 17	4	29	Curved	370		
11	TFS 18	6	50	Straight	1500		
12	TFS 20	8	65	Straight	1000		
13	TFS 21	6	42	Straight	870		
14	TFS 26	4	20	Straight	200		
15	TFS 27	3	18	Curved	175		
16	TFS 33	3	45	Curved	400		
17	TFS 34	4	55	Curved	550		
18	TFS 35	3	10	Curved	90		
19	TFS 37	3	45	Straight	450		
20	TFS 101	4	25	Straight	250		

S. No.	Code	Length (mm)	Shape	Activity mCi	PRICE/SOURCE (If the order is for less than 100 sources) Rs.	PRICE/SOURCE (If the order is for 100 or more than 100 sources) Rs.
1.	TFS 23	8 (h)	Disc	1000		
2.	TDS 101	--	Dome	1700		

Note: Prices indicated herein are exclusive of packing, forwarding and freight charges.



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TRITIUM FILLED LUMINOUS SOURCES (for Non-Government institutes)

Sl. No.	CODE	OD (mm)	Length (mm)	Shape	Activity (mCi)	PRICE/SOURCE (If the order is for less than 100 source) Rs.	PRICE/SOURCE (If the order is for 100 or more than 100 source) Rs.
1	TFS 6N	4	25	Curved	300		
2	TFS 7N	3	10	Straight	120		
3	TFS 8N	3	25	Straight	300		
4	TFS 10N	6	35	Curved	1000		
5	TFS 11N	4	26	Curved	300		
6	TFS 12N	4	30	Curved	370		
7	TFS 13N	3	13	Curved	140		
8	TFS 14N	3	12	Curved	140		
9	TFS 15N	6	20	Curved	400		
10	TFS 17N	4	29	Curved	370		
11	TFS 18N	6	50	Straight	1500		
12	TFS 20N	8	65	Straight	1000		
13	TFS 21N	6	42	Straight	870		
14	TFS 26N	4	20	Straight	200		
15	TFS 27N	3	18	Curved	175		
16	TFS 33N	3	45	Curved	400		
17	TFS 34N	4	55	Curved	550		
18	TFS 35N	3	10	Curved	90		
19	TFS 37N	3	45	Straight	450		
20	TFS 101N	4	25	Straight	250		

Sl. No.	Code	Length (mm)	Shape	Activity mCi	PRICE/SOURCE (If the order is for less than 100 sources) Rs.	PRICE/SOURCE (If the order is for 100 or more than 100 sources) Rs.
1.	TFS 23N	8 (h)	Disc	1000		
2.	TDS 101N	--	Dome	1700		

Note: Prices indicated herein are exclusive of packing, forwarding and freight charges.



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LABWARE / ACCESSORIES

Sl. No.	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)
1.	LCA-1	Acrylic Beta Shield with BRIT logo	
2.	LCA-2	PVC Apron with BRIT logo	
3.	LCA-3	Glove Port Ring	
4.	LCA-4	Gauntlet for Glove Box	

Packing, forwarding & freight charges are extra.



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³⁵S- LABELLED BIOMOLECULES

Sl. No	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)				
			0.25 mCi	0.5 mCi	1 mCi	2 m Ci	5 mCi
1.	LCS 1	L-Methionine- ³⁵ S	---				
2.	LCS 2	L-Methionine- ³⁵ S	---				
3.	LCS 3	L-Cysteine- ³⁵ S	---				
4.	LCS 5	α - ³⁵ S-dATP		---		---	---
5.	LCS 6	Glutathione- ³⁵ S	---			---	---
6.	LCS 7	Elegmix	---			---	
7.	LCS 8	³⁵ S Invivo Pro Twinlabelmix	For 2 mCi = For 7 mCi = For 14 mCi =				
8.	LCSS 1	S ³⁵ Thiourea (Custom Synthesised Product)	---			---	---
9.	LCSS 2	S ³⁵ Thioglycolic acid (Custom Synthesised Product)	---			---	---

LCS 1 contains 0.1% β - mercaptoethanol and 20 mM potassium acetate.

LCS 2 aqueous solution containing 0.1% β -mercaptoethanol.

LCS 7 Elegmix (70% Methionine, and 30% Cysteine)

LCS 8 Invivo Pro Twinlabel (Mixture of L-³⁵S Methionine 70% + L-³⁵S Cysteine 25% + other ³⁵S labelled amino acid derivatives 5%

TEACHING KITS

Miscellaneous Kits (LCO)

Sl. No.	CODE	PRODUCT DESCRIPTION (Name of the kit)	PRICE PER KIT (Rs.)
1.	BTK-1 (10 expt.)	Nick- Translation Teaching Kit	
2.	BTK-2 (10 expt.)	Random Primer Teaching Kit	
3.	BTK-3 (10 expt.)	DNA Primer Labelling Teaching Kit	
4.	BTK-4A (5 expt.) BTK-4B (10 expt.)	SDS-PAGE Teaching Kit	
5.	BTK-5 (10 expt.)	Restriction digestion Teaching Kit	
6.	BTK-6 (10 expt.)	Ligation Teaching Kit	
7.	BTK-7 (10 expt.)	Agarose gel electrophoresis Teaching Kit	

Project House, V.N. Purav Marg, Anushakti Nagar, Mumbai-400094. E-mail: sales@britatom.gov.in

Tel: 25574363, 25569806, 25565535 / Fax: 25562161, 25581319



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CUSTOM SYNTHESIZED DESALTED OLIGONUCLEOTIDES

BRIT can undertake Custom Synthesis of Oligonucleotides. The product supplied by BRIT will have an O.D. of 5.

Sl. No.	CODE	Length of Oligonucleotide (No. OF BASES/OLIGO)	PRICE (Rs.)
1	CSON 1	≤ 35 BASES	per base
2	CSON 2	36 BASES– 50 BASES	per oligo
3	CSON 3	51 BASES– 80 BASES	per oligo

HPLC PURIFIED OLIGONUCLEOTIDES

Sl. No.	CODE	Length of Oligonucleotide	PRICE (Rs.)
1	CSON 1H	≤ 35 BASES	Fixed charges + per base
2	CSON 2H	36 BASES – 50 BASES	Fixed charges + per oligo
3	CSON 3H	51 BASES – 80 BASES	1000/- Fixed charges + per oligo

STANDARD SEQUENCING OLIGONUCLEOTIDES

Sl. No.	CODE	PRODUCT DESCRIPTION	QUANTITY	PRICE (Rs.)
1	LCN 5	Sequencing Primer	5 µg	
2	LCN 10	Sequencing Primer	10 µg	

All prices indicated above are exclusive of Packing & Freight Charges.

³²P, ³³P Biomolecules and LCK kits are supplied from JONAKI, BRIT, Hyderabad.

Tel: 040-27160566, 27160201; Fax: 040-27160882. Orders can be placed with Officer-in-Charge, JONAKI, BRIT, CCMB Campus, Upal Road, Hyderabad-500 007.

³⁵S Biomolecules are supplied from BRIT Mumbai. Orders can be placed with Customer Support Services Cell, BRIT, Project House, V.N. Purav Marg, Anushakti Nagar, Mumbai-400 094.



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LABELLED BIOMOLECULES

³²P LABELLED NUCLEOTIDES

S No	CODE	PRODUCT DESCRIPTION	PRICE (Rs.)		
			.25 mCi	.5 mCi	1.0 mCi
1.	LCP 1 LCP 101 PLC 101	γ ³² P-ATP			
2.	LCP 2 LCP 102 PLC 102	α ³² P-dCTP			
3.	LCP 3 LCP 103 PLC 103	α ³² P-dATP			
4.	LCP 4 LCP 104	α ³² P-dGTP	1.0 mCi or part thereof (CUSTOM SYNTHESIS)		
5.	LCP 5 LCP 105	α ³² P-TTP	1.0 mCi or part thereof (CUSTOM SYNTHESIS)		
6.	LCP 6 LCP 106	α ³² P-ATP			
7.	LCP 7 LCP 107	α ³² P-GTP			
8.	LCP 8 LCP 108 PLC 108	α ³² P-UTP			
9.	LCP 9 LCP 109	α ³² P-CTP			
10.	LCP 10 LCP 1010	α ³² P-pCP			
11.	LCP 11 LCP 1011	γ ³² P-GTP			
12.	LCP 331 PLC 331	γ ³³ P-ATP			
13.	LCP 333 PLC 333	α ³³ P-DATP			
14.	LCP 32	Orthophosphoric acid (aq) Research Grade	for 1 mCi	for 2 mCi	for 5 mCi
15.	LCP 33	Orthophosphoric acid (aq) Research Grade	ON REQUEST		

1. LCP 1, LCP 2 etc. are supplied in 50% ethanol with concentration of 37 MBq/ml (1mCi/ml)

2. LCP 101, 102, etc. are supplied in aqueous solution containing 2-mercaptoethanol (5mM) with concentration of 370 MBq/ml (10 mCi/ml).
3. PLC 101, 102 etc. Permaluci range of ^{32}P labeled nucleotides are Colour-coded and temperature stabilized (can be transported at room temperature and stored in refrigerators).
4. LCP 331 is stabilized with 5mM 2- mercaptoethanol.
5. PLC 331 is colour coded and temperature stabilized
6. P^{32} labelled nucleotides are normally supplied on fortnightly basis.
7. P^{33} and S^{35} labelled biomolecules are supplied on monthly basis.

Prices indicated above are exclusive of Packing & Freight Charges.

KITS FOR BIO-ORGANIC RESEARCH

S No	Code	Description	Price (Rs.) Per Kit
1.	LCK 1	Nick Translation kit-20 reactions	
2.	LCK 2	Random Primer labeling kit-30 reactions	
3.	LCK 3	5' End labeling kit-10 reactions	
4.	LCK 4	Sp 6/T7 Transcription kit 2 x 10 reactions	
5.	LCK 5	M-13 Sequencing kit-30 reactions	
6.	LCK 6	Taq DNA Sequencing kit-20 reactions	
7.	LCK 8	Fluorescein DNA labeling kit (for 25 Random Primer reactions)	
8.	LCK 9	Fluorescein DNA detection kit (Colorimetric 40 x 100 cm ² blots)	
9.	LCK 10	Fluorescein DNA labeling & detection kit (Chemiluminescence 50 x 100 cm ² blots)	
10.	LCK 11	Fluorescein DNA labeling & detection kit (Colorimetric for 25 reactions)	
11.	LCK 12	Fluorescein DNA labeling & detection kit (Chemiluminescence for 25 reactions)	



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MOLECULAR BIOLOGY KITS

Sl. No.	CODE	PRODUCT DESCRIPTION	QUANTITY / UNIT	PRICE (Rs.)
1	LCK 1301	PCR Amplification Core Kit	100 reaction kit	
	LCK 1302		50 reaction kit	
	LCK 1303		25 reaction kit	
2	LCK 1401	PCR Amplification Core Kit	100 reaction kit	
	LCK 1402		50 reaction kit	
	LCK 1403		25 reaction kit	
3	LCK 1501	PCR DNA Labelling Kit	50 reaction kit	
	LCK 1502		25 reaction kit	
4	LCK 1601	dNTP mix for PCR	1 set of 4 dNTPs in 4x25 µl	
	LCK 1602		3 set of 4 dNTPs in 4x25 µl	
	LCK 1603		5 set of 4 dNTPs in 4x25 µl	
	LCK 1604		10 set of 4 dNTPs in 4x25 µl	
5	LCK 1701	MT6 PCR Detection Kit	25 reaction kit	
	LCK 1702		50 reaction kit	
6	LCK 18	DNA Isolation Kit (Blood)	50 reaction kit	
	LCK 19		100 reaction kit	
7	LCK 20	DNA Isolation Kit (Bacteria)	50 reaction kit	
	LCK 21		100 reaction kit	
8	LCK 22	DNA Isolation Kit (Plasmid)	50 reaction kit	
	LCK 23		100 reaction kit	
9	LCK 24	DNA Gel Purification Kit	50 reaction kit	
	LCK 25		100 reaction kit	
10	LCK 26	PCR Product Purification Kit	50 reaction kit	
	LCK 27		100 reaction kit	

Taq DNA POLYMERASE ENZYME

Sl. No.	CODE	PRODUCT DESCRIPTION	QUANTITY / UNIT	PRICE (Rs.)
1.	LCE 101	Taq DNA Polymerase Enzyme	100 Units	
2.	LCE 102	Taq DNA Polymerase Enzyme	250 Units	
3.	LCE 103	Taq DNA Polymerase Enzyme	1000 Units	
4.	LCE 104	Taq DNA Polymerase Enzyme	2000 – 5000 Unit	
5.	LCE 105	Taq DNA Polymerase Enzyme	7000 Units and above	

Note:

1. The prices are exclusive of packing, forwarding and freight charges.
2. Price for 6000 units will work as follows:
For 5000 units will be charged as Rs. per unit &
For 1000 units will be charged as Rs. per unit



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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

ISOMED PLANT, TROMBAY, MUMBAI-400085.

IRRADIATION CHARGES

Product Category	Charges (Rs.) Per Box
Category A	
Category B & C*	
Category D	

*Special category for contraceptives

- Carton should be 5 Ply corrugated Fiber Board.
- Size of the Carton should be 590 × 430 × 340 mm.
- Gross weight of each carton should not exceed 14.5 Kg.
This includes weight of the product along with Carton.

Communication Details:

Officer-in-Charge, ISOMED, BRIT,

ISOMED

PRODUCT GROUPING AND CODING

CODE NO.	GROUP ITEM	CHARGES PER BOX IN Rs.	PRODUCT CODE	LICENCE REQUIRED
1	HOSPITAL SUPLIES		A	
2	SURGICAL DRESSING		B	YES
	a) BANDAGES			
	b) COMPRESSED SHELL DRESSING			
	c) COTTON GAUZE PADS			
	d) COTTON SWABS			
	e) COTTON WOOL			
	f) EYE PADS			
	g) SURGIPADS			
3	GYNAC PRODUCTS		A	YES
	a) DAI KITS			
	b) DELIVERY KITS			
	c) DELIVERY PADS			
	d) NAPKINS			
4	EAR PLUGS		B	
5	ALUMINIUM PRODUCTS		B	
	a) ALUMINIUM P.P. CAPS			
	b) ALUMINIUM TUBES			
6	COSMETICS		B	YES
	a) BENTONITE			
	b) CELLULOSE POWDER			
	c) CHARCOL			
	d) PRICKLEY HEAT POWDER			
	e) TALCUM POWDER			
7	PROTECTIVE CLOTHINGS		B	
	a) BIO MASK			
	b) BARRIER GOWNS			
	c) FACE MASK			
8	PERFUSION SETS		B	YES
	a) BLOOD COLLECTION SETS			
	b) BLOOD DONOR SETS			
	c) BLOOD TRANFUSION SETS			
	d) BLOOD ADMINSTRATIVE SETS			
	e) DISPOSABLE SETS			
	f) FULID ADMINSTRATIVE SETS			
	g) I.V. SETS			
	h) INFUSION SETS			
	l) MICROCHIP			

CODE NO.	GROUP ITEM	CHARGES PER BOX IN Rs.	PRODUCT CODE	LICENCE REQUIRED
9	TUBES AND INSERTIONS		B	
	a) COLLAPSIBLE TUBES			
	b) CORTUCID TUBES			
	c) DEUODINAL TUBES			
	d) ENDOTRACHEAL TUBES			
	e) LEVIN TUBES			
	f) NASAL TUBES			
	g) NYLON TUBES			
	h) RYLES TUBES			
	l) SCALP VEIN TUBES			
10	BUTTER PAPER		B	
11	CANNULAE		B	
12	CATHETERS		B	
13				
14	CONTAINERS & CLOSURES		B	
	a) BUNGS			
	b) CAPS			
	c) CORD CLAMPS			
	d) PETRIDISH			
	e) PE BOTTLES			
	f) PE PLUGS			
	g) SPIKE CAPS			
	h) SPRINKLERS			
	l) RODAC PLATES			
	j) PLUNGER TIPS			
	k) PLASTIC BOTTLES			
	l) PLASTIC TUBES			
	m) RUBBER CLOSURES			
15	SURGICAL KITS		A	YES
	a) DILEX-C			
	b) FIRST-AID KITS			
	c) MATERNITY KITS			
	d) MINOR SURGERY KITS			
	e) VASECTOMY KITS			
	f) TUBECTOMY KITS			
16	DROPPERS		B	
17	AYURVEDIC & HERBAL PRODUCTS		B	YES
	a) PERPARED ERGOT			
	b) GAUR GUM			
	c) PAPPIN			
	d) RAULFINA SERPENTINA			
	e) BELLADONA DRY			
	f) GARCINIA COMBOGIA EXTRACT			

CODE NO.	GROUP ITEM	CHARGES PER BOX IN Rs.	PRODUCT CODE	LICENCE REQUIRED
18	BABY CARE PRODUCTS		B	
	a) FEEDING BOTTLES			
	b) FEEDING NIPPLES			
19	GELATIN PRODUCTS		B	YES
	a) GELATIN CAPSULES			
	b) GELATIN SPONGE			
20	LATEX PRODUCTS		B	
	a) LATEX GLOVES			
	b) EXAMINATION GLOVES			
	c) SURGICAL GLOVES			
	d) RUBBER GLOVES			
21	HYPODERMIC NEEDLES		B	YES
	a) NEEDLE ASSEMBLIES			
	b) NEEDLES			
22	SOLUTIONS AND REAGENTS		B	YES
	a) NORMAL SALINE			
	b) RINGER LACTATE SOLUTION			
23	PARAFFIN GAUZE DRESSING		B	YES
	a) BACTIGRAS			
	b) BIONET			
	c) INADINE			
	d) JELONET			
	e) FAIRLIE			
	f) CUTICERIN			
24	MEDICAL ACCESSORIES		B	
	a) EMPTY SAMPLING STRIPS			
	b) CITROUS PEELS			
	c) PVC TAPES			
	d) PE DRAPES			
	e) PLASTIC POUCHES			
	f) SAMPLE COLLECTORS			
	g) TONGUE DEPRESSOR			
	h) COTTON BUDS			
	i) UMBICAL CORD TAPE			
	j) URINE DRANAGE BAG			
	k) APPLICATOR			
	l) PLASTIC BAGS			
	m) PLASTIC GLOVES			
25	OINTMENTS		B	YES
	a) NEOSPORIN EYE OINTMENT			
	b) OPHTHALMIC OINTMENT			
	c) CHLORPHENICOL OINTMENT			
	d) NEOSPORIN H. OINTMENT			
	e) NEOSPORIN A. OINTMENT			
	f) ZOVIRAX OINTMENT			

CODE NO.	GROUP ITEM	CHARGES PER BOX IN Rs.	PRODUCT CODE	LICENCE REQUIRED
26	SURGICAL BLADES		B	
	a) SAFE CUT BLADES			
	b) OR SURGICAL BLADES			
	c) SCALP BLADES			
27	TAMPONS		B	YES
28	DRUGS AND CHEMICALS		D	YES
	a) ANTIBIOTIC POWDER (LACTOSE)			
	b) CATALIN TABLETS			
	c) CELLULOSE ACETATE			
	d) STEROID POWDER			
	e) NEOMYCIN SULPHATE			
	f) SILVER SULPHADIAZINE POWDER			
29	ORTHOAEDIC PRODUCTS		D	
	a) BONE GRAFTS			
	b) BONE IMPLANTS			
	c) HIP JOINTS			
	d) ORTHOPAEDIC IMPLANTS			
	e) AUSTIN MOORE PROSTHESIS			
30	SUTURES		D	YES
	a) CATTGUT SUTURES			
	b) LINEN SUTURES			
	c) POLYESTER SUTURES			
	d) SILK SUTURES			
	e) NEEDED SUTURES			
	f) MONOFILAMENT POLYAMIDE SUTURES			
31	EYE BROW PENCIL (KAJAL)		D	YES
32	GLASS FIBRE FILTER		D	
33	PVC CABELS		D	
34	PLASTIC DIP SLIDE KIT		D	
35	VETINARAY PRODUCTS		D	YES
	a) QUINAPYRAMINE CHLORIDE			
	b) QUINAPYRAMINE SULPHATE			
36	SHUNTS		D	
37	STATIC RINGS		D	
38	SILCONE RUBBER IMPLANTS		D	
39	SURGICAL EQUIPMENTS		D	
	a) SUEGICAL IMPLANTS			
	b) SURGICAL INSTRUMENTS			
	c) SURGICAL TOOLS			
40	TEFLON		D	
41				
42				
43	CONTARACEPTIVES		C	YES
	a) COPPER T			
	b) INSTRECTION TUBES			
	c) INSTRECTION BRUSH			

CODE NO.	GROUP ITEM (SPECIAL ITEMS)	PRICE (Rs.)	PRODUCT CODE	LICENCE REQUIRED
44	EMPTY CARTON			
45	CERIC-CEROUS DOSIMETER			
46	ELECTRO CHEMICAL CELL MV METER			
47	DOSE MAPPING STUDIES			
48	BIOLOGICAL INDIATOR (pack of 100)			
49	MICROBIOLOGICAL MONITORING CHARGES			
50	CHARGES OF CERTIFICATION OF BIOLOGICAL IN PROCESS CONTROL FOR GAMMA IRRADIATED MEDICAL PRODUCTS			



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BOARD OF RADIATION AND ISOTOPE TECHNOLOGY
GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

RADIATION PROCESSING PLANT, VASHI
Radiation Processing Charges

Category	Product	Dose kGy.	Charge per Kg. (Rs.)	*Charge per tote box (50 Kg.) Rs.
A	Celery, Chilli, Turmeric, Corander, Fenugreek	10		
	Dehydrated Onion product	7		
B	Fennel, Cumin, Ginger, Black Pepper	10		
	Pet Feed (T)	7		
C	Cardamon (L), Nutmeg	10		
	Pet Feed (P)	7		
D	Cardamon (S)	10		
	Psyllium seed husk & Ayurvedic raw material	10		
	Packaging material for sterilization	25		

- Minimum charge per tote box with product weight upto 50 kg.

Note: In addition to the above charges, unit charge of Rs. per bag includes charges for in plant handling, labeling, radiation indicator button and dosimetry.



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BOARD OF RADIATION AND ISOTOPE TECHNOLOGY

GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

GAMMA SCANNING & RADIOTRACER SERVICES

A. Gamma scanning of industrial process columns and blockage location using sealed sources:-

1. Rs. per day for Public Sector.
2. Rs. per day for Private Sector

B. Sediment transport studies in ports and harbours, leakage locations in pipelines and Process systems and R.T.D. measurements using Radiotracers:-

1. Rs. per day plus Tracer cost as per case (refer Table-1) for Public Sector.
2. Rs. per day plus Tracer cost as per case (refer Table-2) for Private Sector.

Table-1 (For Public Sector)

Case-1	Tracer cost for Br-82, Na-24, Au-198
Case-2	Tracer cost for La-140
Case-3	Tracer cost for Sc-46
Case-4	Tracer cost Tritiated water

Table-2 (For Private Sector)

Case-1	Tracer cost for Br-82, Na-24, Au-198
Case-2	Tracer cost for La-140
Case-3	Tracer cost for Sc-46
Case-4	Tracer cost Tritiated water

In addition, TA for officials for these services as per actuals to be borne by the party.



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NEUTRON IRRADIATION SERVICES

Category / Code	Duration of Irradiation	Price in Rs.
IC 1	1 day to 1 week	
IC 2	Above 1 week	



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ELECTRON BEAM TREATMENT
AT ILU-6 EB ACCELERATOR, VASHI

EB IRRADIATION OF DIAMONDS

Electron Beam Treatment of Diamonds

(2 MeV – 20 kw electron beam accelerator)

- Per day (one shift)

- Half day



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RADIATION AGEING & CALIBRATION SERVICES **FROM PANBIT, TROMBAY**

Services provided for:

- A. Irradiation, for 'Radiation Tolerance Testing', to required doses, at specific dose rates (5kR/hr to 200 kR/hr), of products, such as
- | | |
|----------------------------|---|
| (i) Paint Samples, | (ii) Poly sulphide or similar Sealant Samples |
| (iii) Insulation Materials | (iv) Electronic Modules |
| (v) Process Instruments | (vi) Valves & Motors |
| (vii) Speciality Plastics | |
- B. Exposing, at specific dose-rates, for calibration of 'dose-rate dependent' instruments as:
- ⇨RBZ units of 'Defence'
- C. Irradiation to required Dose, at specific dose rates, in calibrating 'integrating dose-meters'
- D. 'Periodic Validation' of radiation detection instruments.

Charges:

1. Thin products / samples
(thickness, not more than 3 mm MS eq),
occupying a vertical area of 350 mm X 400 mm,
at a dose rate of 200 kR/hr,
arranged in a shadow-free pattern,
: for 100 MRad
2. Product boxes / Components / Equipment
Box size 40 cm x 40 cm x 40 cm
: per box
3. Instrument Calibration (similar to RBZ units) requiring
multiple measurements & settings, will be charged at
: per unit
4. For any other specific 'Irradiation Service';
Charges, ON REQUEST.



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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

SERVICES OFFERED FROM REGIONAL CENTRES

CHARGES FOR RIA SERVICE

Rs. per analysis.

CHARGES FOR BLOOD BAG IRRADIATION

Irradiation charges for
one standard blood bag of 350 ml :



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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

PACKING AND FORWARDING CHARGES
FOR VARIOUS TRANSPORT PACKAGES.
(NON-RETURNABLE)

Sl. No.	PACKAGE CODE	USED FOR / WITH	CHARGES (Rs.)
1.	TP – 1	Low activity without lead container	
2.	TP – 1A	With 10 mm thick lead container	
3.	TP – 2C	With 15 mm thick lead container	
4.	TP – PL2	Small Bucket (H.D.P.E.) with LP-20 (Special) lead container	
5.	TP – PL1	Big Bucket (H.D.P.E.) with LP-30 (Special) lead container	
6.	TP – 10A	TCM-2 Kit / IRMAK	
7.	TP – 10B	Glass Apparatus for Solvent extraction	
8.	TP – 10C	Lead Assembly for TCM-2	
9.	TP – 12	RIA Kits	
10.	TP - 15	CSA-1 Shielding containers and accessories	
11.	TP – 16	Dry Ice Package for Bio-molecule/MIBG	
12.	TP - 18	New Roli 1 Camera with accessories	
13.	TP – 18a	New ROLI-1 Camera	
14.	TP – 18b	New ROLI-1 Accessories	
15.	TP – 19	2” Lead Container with wooden box	
16.	TP – 20	3” Lead Container with wooden box	
17.	TP – 21	4” Lead Container with wooden box	



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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

PAYMENT TERMS IN QUOTATIONS FOR EXPORT ORDERS

Orders of value US \$ 1000 AND ABOVE

Orders of value less than US \$ 1000

Payment by Irrevocable Letter of Credit

Advance payment by demand draft.

- If the buyer proposes to make payment in instalments, the mode of payment should be by Irrevocable Letter of Credit for the agreed instalments.
- If the buyer opts stage-wise payment, the mode of payment should be by irrevocable Letter of Credit.
- Stage-wise invoice would be prepared and submitted after completion of the work.

In all these cases foreign bank charges / commission etc. have to be borne by the buyer.

Local bank charges will be borne by BRIT.



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FOOD ANALYSIS LABORATORY SERVICES

Charges for Issuance of Radioactivity Test Certificate for food, water & other samples:

Test Sample	Analysis for	Charges Per Nuclide (Rs.)
Food Sample / Other Sample.	Nuclides like Uranium-238, Thorium-232, Cesium-137, Gross alpha, Gross beta, etc.	

Test Sample	Analysis for	Charges Per Analysis (Rs.)
Water Sample	Gross Alpha & Gross Beta	
	Radium-226 Analysis	

NOTE:

- Please send 1 Kg. of the Food or Other material to be tested with full details about the consignment such as port of exit, port of entry, consignment number, quantity and invoice details.
- Please send 5 litres of the water sample to be tested with full details
- Please send 20 litres of the water sample if analysis of Radium-226 is also to be carried out.
- Please send an advance cross demand draft in favour of Accounts officer, BRIT payable at Mumbai.



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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY

RADIATION PROCESSING CHARGES **AT KRUSHAK LASALGAON**

Sl. No.	PRODUCT DESCRIPTION	CHARGES (RS.)
1.	ONIONS	
2.	CEREALS & PULSES	
3.	SPICES, RESINS & DRY FRUITS	
4.	CUT FLOWERS	
5.	MALT & PROTEIN POWDER	
6.	MANGOES	

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