CATALOG
of
RADIUM
and
Accessory Equipment
for
Modern
Radium Therapy

CANADIAN RADIUM & URANIUM CORPORATION
630 FIFTH AVENUE • ROCKEFELLER CENTER • NEW YORK CITY
ALL needs of the Western Hemisphere for Radium and associated minerals can now be supplied wholly within the Western Hemisphere, following the successful development of the rich reserves of ore at Great Bear Lake, the completion of large modern refining facilities at Port Hope, Ontario, and the organization of complete supplementary treating, servicing, and research facilities in the United States.

We are prepared to supply in any quantity high-purity Radium, not only in standard containers as illustrated, but in special types of tubes, needles, cells and plaques to meet the specifications of physician or hospital. This service applies to radium accessory equipment as well.

All radium containers are sold by us under official measurement certificates of the National Bureau of Standards, Washington, D. C.

All radium certified and guaranteed free of mesothorium and all other short-lived radioactive substances.

We maintain large stocks of therapeutic radium.

Our organization is staffed by outstanding technical advisers, thoroughly acquainted by long experience with the requirements of the Medical Profession.
RADIIUM CONTAINERS

EUROPEAN-TYPE PLATINUM-IRIDIUM TUBES

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 milligrams</td>
<td>Radium contained in platinum-iridium cell; filtration, 0.5 mm, 1 mm, or 2 mm.</td>
</tr>
<tr>
<td>5 or 6.66 mg</td>
<td></td>
</tr>
<tr>
<td>10 milligrams</td>
<td></td>
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<tr>
<td>15 milligrams</td>
<td></td>
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</tbody>
</table>

AMERICAN-TYPE PLATINUM-IRIDIUM TUBES

<table>
<thead>
<tr>
<th>Capacity</th>
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</tr>
</thead>
<tbody>
<tr>
<td>25 milligrams</td>
<td>Radium filled directly into tube; no inner cell; filtration, 0.5 mm, 1 mm, or 2 mm.</td>
</tr>
<tr>
<td>50 milligrams</td>
<td></td>
</tr>
<tr>
<td>100 milligrams</td>
<td></td>
</tr>
</tbody>
</table>

AMERICAN-TYPE PLATINUM-IRIDIUM NEEDLES

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6 or 1 mg</td>
<td>Radium contained in platinum-iridium cell; filtration, 0.5 mm, 1 mm, or 2 mm.</td>
</tr>
<tr>
<td>3 mg</td>
<td></td>
</tr>
<tr>
<td>10 mg</td>
<td></td>
</tr>
<tr>
<td>12.5 mg</td>
<td></td>
</tr>
</tbody>
</table>

EUROPEAN-TYPE PLATINUM-IRIDIUM NEEDLES

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 or 2 mg</td>
<td>Radium contained in platinum-iridium cell; filtration, 0.5 mm, 1 mm, or 2 mm.</td>
</tr>
<tr>
<td>2 mg</td>
<td></td>
</tr>
<tr>
<td>3 mg</td>
<td></td>
</tr>
</tbody>
</table>

CROSS-SECTION OF REMOVABLE CELL, WITH COMPLEMENTARY SHEATH NEEDLE

- Cell of platinum-iridium: Length, 11.5 mm; external diameter, 1.00 mm; wall thickness, 0.2 mm.

- Needles of gold alloy: 24.5 mm, 36.0 mm, 47.5 mm, and 59.0 mm, to hold, respectively, 1, 2, 3, and 4 cells. Uniform wall thickness of needles 0.4. Total filtration equivalent to 0.3 mm platinum.

- Grooved eyelet
- Trocar point
- Round eyelet
- Conical point

ALL-METAL RADIIUM PLAQUES (Facing of 0.1 mm, Monel)

Square or round — Any desired contour, size and strength

- 2 -
RADIUM ACCESSORY EQUIPMENT

(HALF ACTUAL SIZE)

101-5 inch needle-inserting forceps (groove 45°)

102-6 inch needle-inserting forceps (groove straight and 90°)

103-7 inch needle-inserting forceps (for breast needles)

104-8 inch needle-inserting forceps (groove, straight and 90°)

105-9 inch needle-inserting forceps (groove, straight and 90°)

106-10 inch Lipped forceps (for gripping grooved cervical applicators)

107-10 inch multiple groove needle-inserting forceps

108-9 inch needle-inserting forceps (Proctostatic)

109-12 inch needle-inserting forceps (Proctostatic)
RADIUM ACCESSORY EQUIPMENT

(HALF ACTUAL SIZE)

308 A

308 B

308 C

308 D

308 - Radium needle, pullers. Set of four

309 - Needle extractor

310 - Prostatic needle applicator

110 - Pick-up forceps for needles and cells

111 - Pick-up forceps for tubes

112 - 12 inch pick-up forceps for needles, cells or tubes

113 - Opener for screw-cap screens

114 - Opener for screw-cap screens (U-tipped)

115 - Curved pick-up forceps for needles and cells
RADIUM ACCESSORY EQUIPMENT
(HALF ACTUAL SIZE)

301—Type of sterile applicator, with removable handle—all sizes and metals

302—Flat applicator for needles and cells, detachable handle

303—Antrum applicator, with flexible handle

304—Nasal applicator, with flexible handles

305—London colpostat, with detachable handle—all metal

306—London colpostat, with detachable handle—metal hard rubber covered

307—Radium sound, set of ten, 12 to 30 Fr., inclusive

116—6-inch curved rubber-jaw holding forceps

117—Hegar pessaries

118—9-inch rubber-jaw pick-up and holding forceps

119—Teperson uterine forceps
RADIUM ACCESSORY EQUIPMENT

Types of metal capsules to hold tubes, needles, or bulls. - Platinum, gold, silver, lead, brass

311-A

311-B

311-C

311-D

311 - Types of cervical-uterine applicators

312 - Metal rectal applicator, with flexible handle

313 - Tracocatheter set, complete with plungers

201 - Rubber stopper

202 - Rubber rectal applicator, with rubber cover

203 - Type of thin rubber sac

204 - Type of blind-end rubber tube
RADIUM ACCESSORY EQUIPMENT

401 — Protective eye shields

402 — Vise, with removable jaw

403 — Vaginal speculum

404 — Healy vaginal bomb—two positions on same handle

405 — Type of lead protective block with leaded-glass top

408 — Type of 4-drawer lead storage cabinet—2 inches lead thickness in every direction from radium
RADIUM ACCESSORY EQUIPMENT

(Not Illustrated)

No.

120  Bamboo forceps (10½").

203  Thin rubber sacs: No. 203-A: 150 mm. length, 5 mm. inside diameter; No. 203-B: 80 mm. length, 6 mm. inside diameter; No. 203-C: 55 mm. length, 5 mm. inside diameter.

204  Blind-end rubber tubes: No. 204-A: 150 mm. length, 5 mm. inside diameter; No. 204-B: 150 mm. length, 7 mm. inside diameter.

205  Vulcanizing rubber in rolls—metal free.

206  Rubber dam for covering plaques—sheets 12" x 24".

311-E  Cervical-uterine applicator (Parallel cross arms).

314  Gold- plated brass eye screen.

315  Needle threader.

316  Needle-point holder (for sheath needles).

317  Flat screens for plaques (All sizes— all metals).

318  Lead foil (thickness, 0.5 mm. and 1.0 mm.).

319  Aluminum foil (thickness, 0.05 mm., 0.1 mm., 0.2 mm., etc.).

320  Kerr molding compound (non-metallic).

321  Aluminum shells (All sizes).

322-A  Waxed braided silk needle thread. No. 8 white, moisture and serum proof. Bottles, 20 yards.

322-B  Same—spools, 25 yards.

323  Balsa wood.

407  Lead hand carriers for radium (made to specification).

408  Lead-lined box for storing and carrying plaques. Exterior brass chrome-plated. Fitted with chain handle.