

INTERNATIONAL ISOTOPES INC  
Form SC 13D/A  
August 26, 2011

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**SCHEDULE 13D**

Under the Securities Exchange Act of 1934

(Amendment No. 7)\*

**International Isotopes Inc.**

(Name of Issuer)

**Common Stock, par value \$0.01 per share**  
(Title of Class of Securities)

**45972C102**  
(CUSIP Number)

**Joanne Tuckman**

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**Chief Financial Officer**

**FG2 Advisors, LLC**

**152 West 57<sup>th</sup> Street, 24<sup>th</sup> Floor**

**New York, New York 10019**

**(212) 698-9260**

**(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)**

**August 24, 2011**

**(Date of Event which Requires Filing of this Statement)**

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 249.13d-1(g), check the following box. "

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page. The information required on the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 ( Act ) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

**Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1746 (3-06)

CUSIP NO. 45972C102

1. Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only)

Firebird Global Master Fund II, Ltd.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a) " (b) "

3. SEC Use only

4. Source of funds (See Instructions)

WC

5. Check if disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

6. Citizenship or Place of Organization

Cayman Islands

7. Sole Voting Power

Number of

Shares

8. Shared Voting Power

Beneficially

Owned by

34,173,409

Each

9. Sole Dispositive Power

Reporting

10. Shared Dispositive Power

Person

With:

34,173,409

11 Aggregate Amount Beneficially Owned by Each Reporting Person

34,173,409

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12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) "

13. Percent of Class Represented by Amount in Row (11)

9.9%

14. Type of Reporting Person (See Instructions)

OO

CUSIP NO. 45972C102

1. Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only)

FG2 Advisors, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a) " (b) "

3. SEC Use only

4. Source of funds (See Instructions)

OO

5. Check if disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

6. Citizenship or Place of Organization

New York

7. Sole Voting Power

Number of

Shares

8. Shared Voting Power

Beneficially

Owned by

34,173,409

Each

9. Sole Dispositive Power

Reporting

10. Shared Dispositive Power

Person

With:

34,173,409

11 Aggregate Amount Beneficially Owned by Each Reporting Person

34,173,409

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12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) "

13. Percent of Class Represented by Amount in Row (11)

9.9%

14. Type of Reporting Person (See Instructions)

IA

CUSIP NO. 45972C102

Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only)

**James Passin**

Check the Appropriate Box if a Member of a Group (See Instructions)

(a) " (b) "

SEC Use only

Source of funds (See Instructions)

OO

Check if disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

Citizenship or Place of Organization

United States of America

7. Sole Voting Power

Number of

Shares 8. Shared Voting Power

Beneficially

Owned by 34,173,409

Each 9. Sole Dispositive Power

Reporting 10. Shared Dispositive Power

Person

With:

34,173,409

Aggregate Amount Beneficially Owned by Each Reporting Person

34,173,409

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Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) "

Percent of Class Represented by Amount in Row (11)

9.9%

Type of Reporting Person (See Instructions)

IN



CUSIP NO. 45972C102

Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only)

**Harvey Sawikin**

Check the Appropriate Box if a Member of a Group (See Instructions)

(a) " (b) "

SEC Use only

Source of funds (See Instructions)

OO

Check if disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) "

Citizenship or Place of Organization

United States of America

7. Sole Voting Power

Number of

Shares 8. Shared Voting Power

Beneficially

Owned by 34,173,409

Each 9. Sole Dispositive Power

Reporting 10. Shared Dispositive Power

Person

With:

34,173,409

Aggregate Amount Beneficially Owned by Each Reporting Person

34,173,409

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Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) "

Percent of Class Represented by Amount in Row (11)

9.9%

Type of Reporting Person (See Instructions)

IN

### Item 1. Security and Issuer

This Amendment No. 7 ( Amendment No. 7 ) to Schedule 13D amends and supplements the Statement on Schedule 13D originally filed on July 13, 2007 and amended on January 28, 2008, on April 17, 2008, on November 12, 2008, on September 22, 2009, on March 1, 2010 and on November 2, 2010 with respect to the Common Stock, par value \$0.01 per share (the Common Stock ) of International Isotopes Inc., a Texas corporation (the Issuer ). The address of the executive offices of the Issuer is 4137 Commerce Circle, Idaho Falls, Idaho, 83401.

Certain terms used but not defined in this Amendment No. 7 have the meanings assigned thereto in the Schedule 13D, as amended. Except as specifically provided herein, this Amendment No. 7 does not modify any of the information previously reported on the Schedule 13D, as amended. The Schedule 13D is hereby amended and supplemented by this Amendment No. 7 as follows:

### Item 5. Interest in Securities of the Issuer

(a and b) As of the date of this Amendment No. 7, the Reporting Persons beneficially own an aggregate of 31,819,632 shares of Common Stock (the Shares ), which represents approximately 9.3% of the Issuer's total outstanding Common Stock, and they share voting and dispositive power over the Shares. The Reporting Persons also hold warrants for the purchase of shares of Common Stock (the Warrants ). As a result of the Warrants, the Reporting Persons may be deemed to beneficially own additional shares of Common Stock, representing approximately 0.6% of the Issuer's total outstanding Common Stock, that may be issued to the Fund upon the partial exercise of such Warrants. As of August 25, 2011, the shares beneficially owned and deemed beneficially owned by the Reporting Persons represented approximately 9.9% of the total 341,734,109 shares of Common Stock outstanding of the Issuer (including, for this purpose, shares of Common Stock that would be issued pursuant to the partial exercise of the Warrants).

(c) On August 24, 2011, a convertible debenture issued by the Issuer and held by Firebird Global Master Fund II, Ltd. (the Fund ) matured, and was subject to mandatory conversion into shares of Common Stock according to its terms. As a result of such conversion, the Fund received 1,766,667 shares of Common Stock from the Issuer, as well as a Class H Warrant for the purchase of additional shares of Common Stock. During the past sixty days, the Reporting Persons have not engaged in any other transactions with respect to the Common Stock.

### Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer

The Warrants held by the Fund, including the Class H Warrant issued to the Fund upon the maturity of the convertible debenture on August 24, 2011, are not exercisable for the purchase of Common Stock by the Fund within 60 days of the date of this Amendment No. 7 to the extent that such exercise would result in the Fund holding more than 9.9% of the total number of issued and outstanding shares of Common Stock. The shares reported as beneficially owned by the Reporting Persons in this Schedule 13D therefore do not include the shares of Common Stock underlying the Warrants that are not issuable within 60 days of this Amendment No. 7. The form of the Class H Warrant was filed by the Issuer as Exhibit 4.2 to the Issuer's Form 8-K, filed on February 25, 2010 (the 8-K ).

By virtue of the relationship between the Reporting Persons, as described in prior amendments of this Schedule 13D, the Reporting Persons may be deemed to be a group under the Federal securities laws. Except as otherwise set forth in this Amendment No. 7, Mr. Passin, Mr. Sawikin, and FG2 expressly disclaim beneficial ownership of any of the shares of Common Stock beneficially owned by the Fund and the filing of this Statement shall not be construed as an admission, for the purposes of Sections 13(d) and 13(g) or under any provision of the Exchange Act or the rules promulgated thereunder or for any other purpose, that any of Mr. Passin, Mr. Sawikin, or FG2 is a beneficial owner of any such shares.

### Item 7. Material to Be Filed as Exhibits

1. Joint Filing Agreement.
2. Form of Class H Warrant (incorporated by reference to Exhibit 4.2 of the Company's Current Report of Form 8-K filed on February 25, 2010).

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: August 26, 2011

Firebird Global Master Fund II, Ltd.

/s/ James Passin

Name: James Passin

Title: Director

FG2 Advisors, LLC

/s/ James Passin

Name: James Passin

Title: Principal

/s/ James Passin

Name: James Passin

/s/ Harvey Sawikin

Name: Harvey Sawikin

JOINT FILING AGREEMENT

Firebird Global Master Fund II, Ltd., FG2 Advisors, LLC, James Passin, and Harvey Sawikin, in compliance with Rule 13d-1(k) of the Securities and Exchange Commission, hereby agree that the statement on Schedule 13D to which this Agreement is attached as an exhibit is, and any amendments thereto filed by any of us will be, filed on behalf of each such person or entity, that each such person or entity is responsible for the timely filing of the Schedule 13D and any amendments thereto and for the completeness and accuracy of the information concerning such person or entity contained therein.

Date: August 26, 2011

Firebird Global Master Fund II, Ltd.

/s/ James Passin  
Name: James Passin  
Title: Director

FG2 Advisors, LLC

/s/ James Passin  
Name: James Passin  
Title: Principal

/s/ James Passin  
Name: James Passin

/s/ Harvey Sawikin  
Name: Harvey Sawikin