Form 144 Filer Information	UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549
FORM 144	Form 144 NOTICE OF PROPOSED SALE OF SECURITIES PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

144: Filer Information

Filer CIK	0002026548
Filer CCC	XXXXXXXX
Is this a LIVE or TEST Filing?	(•) LIVE ( ) TEST

Submission Contact Information

Name	
Phone	
E-Mail Address	

144: Issuer Information

Name of Issuer	ASP Isotopes, Inc.
SEC File Number	001-41555
Address of Issuer	601 Pennsylvania Avenue NW, South Building, Suite 900 Washington DISTRICT OF COLUMBIA 20004
Phone	2027562245
Name of Person for Whose Account the Securities are To Be Sold	Heather Kiessling

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

Relationship to Issuer	Chief Financial Officer

144: Securities Information

Title of the Class of Securities To Be Sold	Common
Name and Address of the Broker	J.P. Morgan Securities LLC 270 Park Avenue 10th Fl New York NY 10017
Number of Shares or Other Units To Be Sold	80000
Aggregate Market Value	460800
Number of Shares or Other Units Outstanding	110840122
Approximate Date of Sale	12/18/2025
Name the Securities Exchange	Nasdaq

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

144: Securities To Be Sold

Title of the Class	Common
Date you Acquired	07/01/2024
Nature of Acquisition Transaction	Restricted Share Award
Name of Person from Whom Acquired	Issuer
Is this a Gift?	☐
Date Donor Acquired	
Amount of Securities Acquired	40000
Date of Payment	07/01/2024
Nature of Payment	Vesting

If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

144: Securities To Be Sold

Title of the Class	Common
Date you Acquired	04/14/2025
Nature of Acquisition Transaction	Restricted Share Award
Name of Person from Whom Acquired	Issuer
Is this a Gift?	☐
Date Donor Acquired	
Amount of Securities Acquired	40000
Date of Payment	04/14/2025
Nature of Payment	Vesting

If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

144: Securities Sold During The Past 3 Months

Nothing to Report	☑

144: Remarks and Signature

Remarks	
Date of Notice	12/18/2025

ATTENTION:

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

Signature	/s/ J.P. Morgan Securities LLC as agent and attorney-in-fact for Heather Kiessling

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)