



RFQ022485: Dual Integration Reagent Free Ion Chromatographs (RFIC) with AS-AP autosampler for simultaneous analysis of anions and cations

CPQ-00487755

August 18, 2022

City of Columbus

Duane Stokes

900 Dublin Road
Columbus Ohio 43215
United States

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Columbus Ohio 43215
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RFQ022485: Dual Integrion Reagent Free Ion Chromatographs (RFIC) with AS-AP autosampler for simultaneous analysis of anions and cations

The Integrion Reagent Free Ion Chromatograph (RFIC) is a High Pressure IC capable of running 4 micron particle columns for high efficiency, fast separations because of the 5000psi back- pressure capability. An electronic gradient is automatically formed from DI water for perfect gradients free from contaminants every time. With this configuration the AS-AP autosampler is shared using a diverter valve between the Anion Integrion and Cation Integrion for simultanous and independant operation. The Integrions include continous electrolytic supression so no bottle of acid is required and supression capacity is never lossed. One color touch tablet is quoted here to be shared with the two Integrions and both instruments are controlled by an included single Chromeleon workstation. Installation and familiarization are included with this quotation by our field service engineer. **Warranty** These instruments are covered by a 1 year factory warranty including parts, labor and travel AND the 2nd and 3rd year of ownership are covered under a parts only warranty.

*In the event that we are awarded this RFQ, we hereby request to conduct limited negotiations on the Purchasing Terms and Conditions. This bid submission is subject to us expressly reserving the right to negotiate the Purchasing Terms and Conditions and in no way shall submission of this bid constitute acceptance of, or a waiver of any objection to, the Terms and Conditions.

Sales Quotation

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Lead Time	Payment Terms	Freight Terms	Expiration Date
15-17 weeks	NET 30 DAYS UPON INVOICE DATE	DEST. PREPAID	December 30, 2022
Company Name		Customer Name	
City of Columbus		Duane Stokes	
* See end pages of quote for PO Submission details			

Thermo Electron North America LLC
5225 Verona Road
Madison WI 53711

1400 Northpoint Parkway
West Palm Beach FL 33407

Customer Info:

Customer Name: Duane Stokes
Company Name: City of Columbus
Address: 900 Dublin Road
Columbus Ohio 43215
United States

Phone: 614-645-7691
Email: dcstokes@columbus.gov

Sales Contact Info:

Contact Name: Mark Krigbaum
Phone: +1 (513) 288-6768
Email: mark.krigbaum@thermofisher.com

RFQ022485: Dual Integration Reagent Free Ion Chromatographs (RFIC) with AS-AP autosampler for simultaneous analysis of anions and cations

Item	Description	Unit Price	Qty	Discount	Total Price
1.1	22153-60303 PROD,INTEGRION, RFIC, DEGAS, OVEN Full Integrion system, including HPIC Pump, 6-port injection valve, 25 µL injection loop, 2 L eluent bottle, one electrolytic power outlet (for suppressor), low-pressure eluent degasser, high pressure RFIC-EG degasser, and an additional two electrolytic power outlets (for eluent generation). The Column Oven provides precise temperature control over a wide temperature range with fast heat-up times. This supports all standard bore and microbore guard and separator column sizes, in addition to single and dual valve configurations. The forced air, in-line temperature control stabilizes operating conditions and reduces temperature gradients to ensure consistent separations. • Ensure analytical reproducibility • Optimize separation to increase result accuracy Consumables Tracking enables tracking and monitoring of performance and usage across all consumables to enable proactive maintenance and replacement. • Ensure correct setup and initial performance • Evaluate laboratory expenditure and usage • Monitor consumables for optimal performance Eluent Generation generates high-purity eluents on-line, ensuring perfectly consistent performance. With eluent generation, gradient separations can be as easy as isocratic applications. • Increased sensitivity with a reduced background • Reduce pump maintenance • Reduce errors with no manual preparation • Ensure analytical reproducibility • Easily run complex and simple gradient separations	\$39,136.17	1	\$7,827.23	\$31,308.94
1.3	074921 AS-AP Autosampler, Base Configuration AS-AP Autosampler AS-AP Autosampler, Base Configuration	\$19,739.49	1	\$3,947.90	\$15,791.59
1.4	074936	\$199.00	3	\$107.46	\$489.54

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Item	Description	Unit Price	Qty	Discount	Total Price
	PROD,ASSY,RACK,40 VIAL,AS-AP AS-AP 1.5/0.3 mL Vial Tray				
1.5	074123	\$2,460.00	1	\$442.80	\$2,017.20
	PROD,ASSY,VLV,RHEO,2/6,TITAN-HP,PK Valve Assembly, includes one 2 way 6-port Valve and Mounting Hardware				
1.6	060392	\$198.00	1	\$23.76	\$174.24
	HUB,USB,4PORT,STARTECH,RoHS Hub, USB, 4 Port				
1.7	22153-62034	\$4,340.00	1	\$868.00	\$3,472.00
	PROD, KIT, CD, INTEGRION, ITGN Dionex Integrion CD Conductivity Detector and Integrated Cell				
1.8	7200.0201-ICSP	\$6,240.00	1	\$1,248.00	\$4,992.00
	Workgroup Edition (WE) Provides one client and enables control of four Thermo Scientific instruments <ul style="list-style-type: none"> Includes Instrument Controller, four Class 1 Instrument licenses, Data Client, Instrument Operation, Report Designer Pro and Fraction Collection Workstation installations only Up to three can be added to a single license 				
1.9	7200.0850-ICSP	\$2,210.00	1	\$397.80	\$1,812.20
	PC,XE3,2x512GB SSD,32GB,i7,W10P64,RoHS				
1.10	071664	\$468.00	1	\$93.60	\$374.40
	MONITOR,DELL,24 IN,RoHS				
1.11	038677	\$0.01	1	\$0.00	\$0.01
	SVC,INSTAL,APPL,DX-SPRT,DAY				
1.12	960708	\$0.01	2	\$0.00	\$0.02
	CBL,3COND,LINE CORD,US,RoHS Power Cord US				
1.20	22153-62100	\$632.00	1	\$126.40	\$505.60
	KIT,TABLET,NORTH AMERICA,ITGN Android tablet with magnet and Integrion Control App (For US only)				
1.21	22153-62031	\$325.00	1	\$65.00	\$260.00

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Item	Description	Unit Price	Qty	Discount	Total Price
	PROD, KIT, WiFi WITHOUT TABLET, ITGN, NM				
	Mobile Control Option for Dionex Integriion Systems (Includes magnet but no tablet) This option adds Mobile Instrument Control, which allows the Dionex Integriion system to be controlled from a tablet via WiFi communication direct to the instrument over a range up to 30 feet. The app to perform the controls and monitor status is available in multiple languages and is a modern, simple interface. The tablet can be customer provided or supplied from Thermo Fisher Scientific; the app comes pre-installed on tablets ordered from Thermo Fisher Scientific or can be downloaded from the Google Play Store or the App Store.				
1.22	088798 KIT,VIPER,XT INTEGRION	\$616.00	2	\$246.40	\$985.60
1.16	083223 PROD,COL,IP,AS19,4UM,2X250MM	\$1,620.00	1	\$486.00	\$1,134.00
	The Dionex IonPac AS19-4µm column is a high-capacity, hydroxide-selective column for determination of oxyhalides and inorganic anions in diverse matrices. It meets or exceeds the requirements specified in U.S. EPA Methods 300.0 (B) and 300.1 (B). Compared to the standard Dionex IonPac AS19 column, this column uses smaller resin particles for more efficient separations resulting in more accurate peak integration and more reliable results. A high-pressure IC system is required to operate this column under standard conditions.				
1.17	083225 PROD,COL,IP,AG19,4UM,2X50MM	\$534.00	1	\$160.20	\$373.80
	The Dionex IonPac AG19-4µm guard column is optimized for use with the Dionex IonPac AS19-4µm column.				
1.18	057184 PROD,COL,IP,CG12A,5UM,3X30MM	\$493.00	1	\$147.90	\$345.10
	The Dionex IonPac CG12A-5µm guard column is optimized for use with the Dionex IonPac CS12A-5µm column.				
1.19	057185 PROD,COL,IP,CS12A,5UM,3X150MM	\$1,490.00	1	\$447.00	\$1,043.00
	The Dionex IonPac CS12A-5µm cation-exchange column provides fast analysis of mono- and divalent cations, and ammonium present in similar concentrations. It uses the same carboxylate and phosphonate functional groups as the Dionex IonPac CS12A-8µm columns, but differs in column format and resin particle size.				
1.23	088662 Dionex CR-ATC 600 Trap Column	\$1,350.00	1	\$405.00	\$945.00

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Item	Description	Unit Price	Qty	Discount	Total Price
1.24	Dionex™ CR-ATC 600 Continuously Regenerated Anion Trap Column for Consumables Tracking enabled systems 088663 PROD,COL,CR-CTC600,TRACKING ENABLED	\$1,350.00	1	\$405.00	\$945.00
1.25	Dionex™ CR-CTC 600 Continuously Regenerated Cation Trap Column for Consumables Tracking enabled systems 075778 Dionex EGC 500 KOH Cartridge Dionex™ EGC 500 KOH Potassium Hydroxide Eluent Generator Cartridge	\$1,800.00	1	\$540.00	\$1,260.00
1.26	Dionex EGC 500 MSA Cartridge 075779 Dionex™ EGC 500 MSA Methanesulfonic Acid Eluent Generator Cartridge	\$1,800.00	1	\$540.00	\$1,260.00
1.27	088667CMD PROD,ADRS600,2MM,CMD	\$1,230.00	1	\$369.00	\$861.00
1.28	088670CMD PROD,CDRS600,2MM,CMD	\$1,350.00	1	\$405.00	\$945.00
1.2	701-086201 YEAR 2 AND 3 IC/SP PARTS ONLY WARRANTY Factory warranty for service parts required to perform repairs during years 2 and 3 after the date of instrument installation	\$0.01	2	\$0.00	\$0.02
2.1	22153-60303 PROD,INTEGRION, RFIC, DEGAS, OVEN Full Integration system, including HPIC Pump, 6-port injection valve, 25 µL injection loop, 2 L eluent bottle, one electrolytic power outlet (for suppressor), low-pressure eluent degasser, high pressure RFIC-EG degasser, and an additional two electrolytic power outlets (for eluent generation). The Column Oven provides precise temperature control over a wide temperature range with fast heat-up times. This supports all standard bore and microbore guard and separator column sizes, in addition to single and dual valve configurations. The forced air, in-line temperature control stabilizes operating conditions and reduces temperature gradients to ensure consistent separations. • Ensure analytical reproducibility • Optimize separation to increase result accuracy Consumables Tracking enables tracking and monitoring of performance and usage across all consumables to enable proactive maintenance and replacement. • Ensure correct setup and initial performance	\$39,136.17	1	\$7,827.23	\$31,308.94

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Item	Description	Unit Price	Qty	Discount	Total Price
2.3	<ul style="list-style-type: none"> Evaluate laboratory expenditure and usage Monitor consumables for optimal performance <p>Eluent Generation generates high-purity eluents on-line, ensuring perfectly consistent performance. With eluent generation, gradient separations can be as easy as isocratic applications.</p> <ul style="list-style-type: none"> Increased sensitivity with a reduced background Reduce pump maintenance Reduce errors with no manual preparation Ensure analytical reproducibility Easily run complex and simple gradient separations 	\$325.00	1	\$65.00	\$260.00
	<p>22153-62031</p> <p>PROD, KIT, WiFi WITHOUT TABLET, ITGN, NM</p> <p>Mobile Control Option for Dionex Integriion Systems (Includes magnet but no tablet) This option adds Mobile Instrument Control, which allows the Dionex Integriion system to be controlled from a tablet via WiFi communication direct to the instrument over a range up to 30 feet. The app to perform the controls and monitor status is available in multiple languages and is a modern, simple interface. The tablet can be customer provided or supplied from Thermo Fisher Scientific; the app comes pre-installed on tablets ordered from Thermo Fisher Scientific or can be downloaded from the Google Play Store or the App Store.</p>				
2.4	<p>22153-62034</p> <p>PROD, KIT, CD, INTEGRION, ITGN</p> <p>Dionex Integriion CD Conductivity Detector and Integrated Cell</p>	\$4,340.00	1	\$868.00	\$3,472.00
2.5	<p>038677</p> <p>SVC,INSTAL,APPL,DX-SPRT,DAY</p>	\$0.01	1	\$0.00	\$0.01
2.6	<p>960708</p> <p>CBL,3COND,LINE CORD,US,RoHS</p> <p>Power Cord US</p>	\$0.01	1	\$0.00	\$0.01
2.2	<p>701-086201</p> <p>YEAR 2 AND 3 IC/SP PARTS ONLY WARRANTY</p> <p>Factory warranty for service parts required to perform repairs during years 2 and 3 after the date of instrument installation</p>	\$0.01	2	\$0.00	\$0.02

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Quote Subtotal:	\$134,395.92
Promotions / Discounts:	- \$28,059.69
Quote total less discounts:	\$106,336.23
Surcharge:	\$5,488.66
Quotation Totals:	\$111,824.90

Sales tax exemption/resale certificates or direct pay permits must be provided with the order documents, if applicable. If valid sales tax exemption documentation is not provided, buyer shall pay all applicable federal, state and local taxes in addition to the price stated on this quotation.

Please see below for monthly payment options and contact financialservices@thermofisher.com or call (800) 986-9731 ext. 7 for more information. Please note: Payments are estimates only and availability of lease financing is subject to credit approval and acceptance of terms. Terms and interest rates may vary based on customer's financial profile.

Leasing estimate is based on a total cost of **\$111,824.90**; you may choose from the monthly payment options below:

	Lease Term (months)			
	24	36	48	60
Fair Market Value Purchase Option:	\$3,980.97	\$2,938.76	\$2,375.16	\$2,035.21
\$1.00 Purchase Option:	\$3,980.97	\$3,429.67	\$2,636.83	\$2,168.28
Number of Advance Payments:	1	1	1	1

Choosing the Lease that Best Meets Your Needs:

Fair Market Value (FMV) Purchase Option

The intent of this lease is not to own but to gain the benefits of the equipment in exchange for a low monthly payment. Your End-of-Lease Options are: continue to lease the equipment, purchase a fair market value or return/upgrade the equipment.

\$1.00 Purchase Option

This is a lease-to-own option where you would own the equipment after all monthly payments have been made. It is similar to a finance agreement and provides you a defined payment schedule over the lease term.

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Options / Recommendations

Item	Description	Unit Price	Qty	Discount	Total Price
1.13	701-055805 Yr 2or3 Ext War Integrion w/RFIC no Det Yr 2 or 3 Extended Warranty - Integrion RFIC, no Detector** • Quantity 1 provides coverage for year 2 only. Quantity 2 provides coverage for years 2 and 3. • On-site corrective maintenance visits including labor and travel with a target of three (3) business day on-site response time (see note) • Annual Preventive Maintenance visit and a standard Preventive Maintenance Kit • Priority status for technical support telephone inquires • 10% Loyalty discount on parts, accessories, and consumables (may not be available in all regions) Note: Parts are covered by Factory Warranty	\$5,320.00	1	\$1,064.00	\$4,256.00
1.14	701-014000 Yr 2or3 Ext War AS-AP Base Yr 2 or 3 Extended Warranty - AS-AP Autosampler Base Configuration • Quantity 1 provides coverage for year 2 only. Quantity 2 provides coverage for years 2 and 3. • On-site corrective maintenance visits including labor and travel with a target of three (3) business day on-site response time (see note) • Annual Preventive Maintenance visit and a standard Preventive Maintenance Kit • Priority status for technical support telephone inquires • 10% Loyalty discount on parts, accessories, and consumables (may not be available in all regions) Note: Parts are covered by Factory Warranty	\$2,070.00	1	\$414.00	\$1,656.00
1.15	701-013900 Yr 2or3 Extended War - CD and ED Yr 2 or 3 Extended Warranty - CD and ED Detectors • Quantity 1 provides coverage for year 2 only. Quantity 2 provides coverage for years 2 and 3. • On-site corrective maintenance visits including labor and travel with a target of three (3) business day on-site response time (see note) • Priority status for technical support telephone inquires • 10% Loyalty discount on parts, accessories, and consumables (may not be available in all regions) Note: Parts are covered by Factory Warranty	\$390.00	1	\$78.00	\$312.00
2.7	701-055805 Yr 2or3 Ext War Integrion w/RFIC no Det	\$5,320.00	1	\$1,064.00	\$4,256.00

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	Yr 2 or 3 Extended Warranty - Integrion RFIC, no Detector** • Quantity 1 provides coverage for year 2 only. Quantity 2 provides coverage for years 2 and 3. • On-site corrective maintenance visits including labor and travel with a target of three (3) business day on-site response time (see note) • Annual Preventive Maintenance visit and a standard Preventive Maintenance Kit • Priority status for technical support telephone inquires • 10% Loyalty discount on parts, accessories, and consumables (may not be available in all regions) Note: Parts are covered by Factory Warranty				

2.8	701-013900	\$390.00	1	\$78.00	\$312.00
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Yr 2or3 Extended War - CD and ED

Yr 2 or 3 Extended Warranty - CD and ED Detectors
 • Quantity 1 provides coverage for year 2 only. Quantity 2 provides coverage for years 2 and 3.
 • On-site corrective maintenance visits including labor and travel with a target of three (3) business day on-site response time (see note)
 • Priority status for technical support telephone inquires
 • 10% Loyalty discount on parts, accessories, and consumables (may not be available in all regions)
 Note: Parts are covered by Factory Warranty

Options Total: \$10,792.00

Purchase Order - Submission Details

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Inco Terms 1	Inco Terms 2	Shipping Method	
DEST. PREPAID		Fed Ex Ground	
See below			

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 5225 Verona Road
 Madison WI 53711

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To place your order and expedite shipment, please 1) sign and date the last page of this document; and 2) fax or e-mail it along with your Purchase Order to one of the addresses below.

Please note-all Purchase Orders must show the vendor name of Thermo Electron North America LLC

Thermo Electron North America LLC
 5225 Verona Road
 Madison WI 53711

Thermo Electron North America LLC
 or
 1400 Northpoint Parkway
 West Palm Beach FL 33407

Complete System Orders:

Fax: 412-200-6542

e-mail: usmadorderprocessing@thermofisher.com

Parts or Service Orders:

Fax: 877-680-2565

e-mail: USMAD.ServiceOE.PO@thermofisher.com

Notes:

- Items marked with an asterisk (*) on the face of the quotation are non-Thermo Electron North America LLC products.
- Prices, warranty, installation and service on the items quoted herein are available only in the United States and may not be otherwise assigned.
- Tax exemption certificates or direct pay permits must be provided with the order documents, if applicable. If tax exemption documentation is not provided, buyer shall pay federal, state and local taxes in addition to the price stated on this quotation.
- Buyer shall not export or re-export technical data or products supplied by Thermo Electron North America LLC in violation of applicable export regulation. Buyer who exports products purchased hereunder assumes all responsibility for obtaining required export documentation, authorization, and payment of all applicable fees.
- All prices are quoted in USD

*In the event that we are awarded this RFQ, we hereby request to conduct limited negotiations on the Purchasing Terms and Conditions. This bid submission is subject to us expressly reserving the right to negotiate the Purchasing Terms and Conditions and in no way shall submission of this bid constitute acceptance of, or a waiver of any objection to, the Terms and Conditions.

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DEST. PREPAID		Fed Ex Ground	
See below			

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TERMS AND CONDITIONS OF SALE FOR PRODUCTS AND SERVICES

This quotation, and Seller's Terms and Conditions of Sale for Products and Services (which are hereby incorporated by reference into this quotation and any resulting contract), set out the terms on which Seller is offering to sell the product(s) and/or service(s) listed in this quotation. By issuing a purchase order or otherwise ordering or accepting product(s) and/or services, Buyer expressly confirms that it agrees to be bound by and agrees to the terms of this quotation and the Terms and Conditions of Sale for Products and Services to the exclusion of all other terms not expressly agreed to in writing by an authorized representative of Seller, and that the purchase and sale transaction between Buyer and Seller is governed by this quotation and Terms and Conditions of Sale for Products and Services. Any new or different provisions contained in any document issued by Buyer in response to this offer are expressly rejected. Seller's Terms and Conditions of Sale for Products and Services can be found on the Thermo Fisher Scientific website at www.thermofisher.com/terms-tena and will be sent to Buyer via mail or e-mail upon request. The Terms and Conditions of Sale for Products and Services are subject to change by Seller, from time to time.

As an Authorized representative of the Buyer, your signature below creates an agreement to buy the products and services listed herein and your acceptance of the Seller's Standard Terms and Conditions of Sale included herein as the sole and exclusive terms for your purchase.

BUYER

SELLER

By: _____	By: _____
Print Name: _____	Print Name: _____
Print Title: _____	Print Title: _____
Date: _____	Date: _____

_____ Initial here to indicate Buyer's agreement to automatically apply Seller's Standard Terms and Conditions of Sale for Products and Services to all future orders of Products and Services from Seller, whether or not the Agreement is referenced on Seller's quote or Buyer's Purchase Orders, for _____ (write # of years) from later date of the parties' signature, or until either party provides written notice that this Agreement is terminated.