

Project Details

Project Title:

*Replacement of the Fourier Transform Infrared Spectroscopy (FT-IR) in the Forensic Drug Laboratory **

Project Summary:

This grant will be used to purchase a FT-IR Spectrophotometer to replace the existing instrument which has been in service for 10 years and is obsolete and is reaching end of life.

Type of Application:

*New **

Year of Funds:

*1 **

Appropriation of Non-Grantor Matching Funds:

*County **

Program Area:

*Law Enforcement Programs **

County(ies) this project will serve:

*Anderson County, Greenville County, Laurens County, Oconee County, Spartanburg County **

Agency Details

Agency Specific Information**Agency Name:**

*Greenville County Department of Public Safety - Forensic Division **

Address: *301 University Rdg **

City: *Greenville **

State: *South Carolina **

Zip: *29601-3681 **

County: *Greenville County **

Telephone Number: *(864) 467-5398*

Fax Number:

Organization Type: *County **

US Congressional District: *5000232 **

Has your agency registered in the [System for Award Management \(SAM\)](#)? Yes

*

Has your agency completed its annual Risk Assessment in the Organization Profile? Yes

*

Contact Information

*NOTE: THE PROJECT DIRECTOR, FINANCIAL OFFICER AND OFFICIAL AUTHORIZED TO SIGN CANNOT BE THE SAME PERSON. STAFF BEING FUNDED UNDER THIS GRANT MAY NOT BE ANY OF THE BELOW OFFICIALS WITHOUT OHSJP APPROVAL.

Project Director (Required)	Prefix: <i>Captain*</i>	First Name: <i>Jackie*</i>	Last name: <i>Kellett*</i>	Suffix:
	Title: <i>Laboratory Director*</i>	Organization Name: <i>Greenville County Department of Public Safety Forensic Division*</i>		
	Street Address Line 1: <i>20 McGee Street*</i>			
	Street Address Line 2:			
	City: <i>Greenville*</i>	State: <i>South Carolina*</i>	Zip: <i>29601*</i>	
	Phone: <i>(864) 467-5398*</i>	Ext:	Email: <i>jkellett@greenvillecounty.org*</i>	

Financial Officer (Required)	Prefix: <i>Mrs.*</i>	First Name: <i>Ruth*</i>	Last name: <i>Parris*</i>	Suffix:
	Title: <i>Budget Director*</i>	Organization Name: <i>Greenville County*</i>		
	Street Address Line 1: <i>301 University Ridge Suite N-2400*</i>			
	Street Address Line 2:			
	City: <i>Greenville*</i>	State: <i>South Carolina*</i>	Zip: <i>29601*</i>	
	Phone: <i>(864) 467-7037*</i>	Ext:	Email: <i>rparris@greenvillecounty.org*</i>	

Official Authorized to Sign (Required)	Prefix: <i>Mr.*</i>	First Name: <i>Joe*</i>	Last name: <i>Kernell*</i>	Suffix:
	Title: <i>County Administrator*</i>	Organization Name: <i>County of Greenville*</i>		
	Street Address Line 1: <i>301 University Ridge Suite N-4000*</i>			
	Street Address Line 2:			
	City: <i>Greenville*</i>	State: <i>South Carolina*</i>	Zip: <i>29601*</i>	
	Phone: <i>(864) 467-7105*</i>	Ext:	Email: <i>jkernell@greenvillecounty.org*</i>	

Programmatic Point of Contact (Required)	<i>[X]Same as Project Director</i>			Organization Name: *
	Prefix: *	First Name: *	Last name: *	Suffix:
	Phone: *	Ext:	Email: *	

Financial Point of Contact (Required)	<i>[X]Same as Financial Officer</i>			Organization Name: *
	Prefix: *	First Name: *	Last name: *	Suffix:
	Phone: *	Ext:	Email: *	

Program Narrative

PROBLEM STATEMENT:

First, define the problem exactly as it exists in your particular community. Describe the nature and magnitude of the problem using valid, updated statistical data, and cite the source and date of your information. Prior data may be used to show changes in the magnitude or severity of the problem. Remember to document the problem and not the symptoms or solutions of the problem. Second, identify your existing efforts, current resources and programs being utilized to deal with the problem.

The Forensic Division Laboratory is part of the Greenville County Department of Public Safety. The Department of Public Safety is an independent County agency funded through the traditional budget process. Seized asset money is not available to the Department to supplement funding. One of the services provided by the Forensic Division Laboratory is drug analysis. Drug analysis is offered to all law enforcement agencies (Federal, State, and local) operating within Greenville County free of charge. The primary agencies served include the Greenville County Sheriff's Office, Greenville City Police Department, Greenville County Detention Center, Greer Police Department, Travelers Rest Police Department, Mauldin Police Department, Simpsonville Police Department, Fountain Inn Police Department, and Greenville Health Authority Police Department. In addition to the primary agencies served, we also provide drug analysis services on an as needed basis for 25 additional law enforcement agencies in the Upstate region of South Carolina, thus acting as a regional laboratory to assist SLED.

The Drug Analysis Section is staffed by three fulltime drug chemists and a unit supervisor. The unit supervisor has the responsibility of training new personnel. The Drug Analysis Section has been challenged by staff turnover, losing two chemists in the last two years. Hiring new employees and training the individuals in drug analysis takes a minimum of six months and filling these vacancies with qualified personnel has proven difficult. Currently there is one open position. Each fully trained chemist completes approximately 1,000 cases per year, but with the amount of drug cases that are submitted on a daily basis the Drug Analysis Section is now overwhelmed by an eight-month backlog. Due to the overwhelming backlog of drug casework, the Forensic Division Laboratory has requested one fulltime chemist in the FY2026-2027 biennium budget. This position has been approved and the hiring process is underway.

The FT-IR is an essential instrument used in the laboratory on a daily basis. The instrument currently in use is 10 years old and will enter into an "End of Guaranteed Support" status on July 1, 2027. At that point, parts and repair services will be subject to availability and standard support plans and contracts will not be available. If an operational FT-IR were not available in the laboratory cases examined on the FT-IR would have to be tested using the Gas Chromatograph Mass Spectrometer (GC-MS) which would increase cost and turnaround time for each drug case by 4 days. The reason the GC-MS is such a time and money consuming instrument is because this instrument uses more consumables (caps, vials and solvents) and also takes up to 45 mins to run one drug sample, compared to the FT-IR that takes less than two minutes. This time difference of 43 mins is significant in obtaining results for the large amount of cases that the Department of Public Safety accepts annually. Another advantage that the FT-IR has over the GC-MS is that drug samples can be run on the FT-IR straight from the package without any sample prep. This allows the FT-IR to be utilized for quick initial testing and investigative guidance for officers that have an urgent need to identify suspected controlled substances that may have been involved in a death investigation.

One of the most critical aspects of the FT-IR is its ability to distinguish the difference between Cocaine HCl and Cocaine base. Cocaine HCl and Cocaine base are the only drugs that have separate laws for different forms. When Cocaine base, or crack, became a popular drug of choice in the early 80's, separate laws were written for Cocaine base. This new law required chemists to change how cases were to be worked by testing for what specific form the Cocaine was, either Cocaine HCl or Cocaine base. While the GC-MS is a sensitive instrument, it is unable to distinguish between these two similar forms of cocaine on its own and requires additional time and money for the analysis of Cocaine base. Working a cocaine case using only the GC-MS requires more consumables such as specialized wool pipettes and a hazardous neurotoxic solvent known as Hexane. Hexane is a solvent not normally used in analyzing other drug cases and would be a required solvent for cocaine cases, increasing exposure of a biohazard agent to the chemists. If these specialized steps to prep a cocaine case were skipped, the GC-MS would actually convert Cocaine HCl into Cocaine base and skew the results. The FT-IR is such a vitally important instrument due to it being a non-hazard to the Chemists and its ability to distinguish between the two forms of Cocaine HCl and Cocaine base accurately, safely, with low costs and a fast turnaround time.

Finally, the FT-IR is also useful in screening samples for the presence of Fentanyl. The FT-IR can usually determine if an

unknown drug sample contains Fentanyl, thereby providing the drug chemist an indication if there is a strong or weak presence to help the analyst determine the best sampling of the item which cuts down on time on each drug case. During the past three years (2023-2025), the Forensic Division Drug Laboratory has analyzed 7,719 cases, of which 2,369 were confirmed through the FT-IR to be Cocaine HCl/Base items and 1,751 were Fentanyl items. Over 50% of the cases analyzed during the last three years were screened using the FT-IR.

According to the U.S. Census Bureau, the 2024 estimated resident population of Greenville County is 570,745, which is a nearly 7% increase from 2021 and makes Greenville County the most populous county in SC. The city of Greenville has a population of 74,386 that accounts for a 3.2% increase from 2021. Furthermore, the land area in the county of Greenville consists of 789 square miles making it one of the larger counties in the state. With the growth of business and the influx of residents, Greenville has also experienced growth in the amount of crimes committed against society. Accordingly, the most current SLED statistical data available for Drug Offenses in Greenville County as of 2023, reported the following:

- The number of drug offenses in Greenville County totaled 6,450, the highest in the state.
- These drug offenses had an 88% clearance rate.
- For every 10,000 inhabitants, the drug offense rate for Greenville County was determined to be 113.01

Reviewing the records maintained by the Greenville County Forensic Division Property and Evidence Section documenting the storage of evidence involved in drug offenses, the following information was noted:

Drug Cases Seized:

2025: 5,496

2024: 5,453

2023: 3,568

As evidenced by the above statistics, which mainly represents cases involving the Greenville County Sheriff's Office and the Greenville City Police Department, it is clear that drug offenses are a significant and increasing issue for Greenville County. It is important to also consider that many of the violent crime cases in Greenville County (robberies, shootings, and homicides) have also proven to be connected to the sale, purchase and movement of illegal drugs. The Forensic Division Laboratory seeks funding to replace the current FT-IR, which is reaching end of life July 1, 2027. This is critical to the continued successful prosecution of drug-related and violent offenders.

In conclusion, the replacement of the FT-IR instrument is crucial for the Forensic Division Laboratory to continue to provide timely and accurate drug analysis services to law enforcement agencies in Greenville County and the upstate region of South Carolina. With the growing concern of drug offenses in the area, as evident from the increasing number of drug cases seized, it is imperative that the laboratory maintains its capacity to analyze evidence efficiently and effectively. The new FT-IR instrument will enable the laboratory to stay up-to-date with the latest technology, reduce the risk of instrument failure, and continue to provide critical support to law enforcement agencies and the solicitor in their efforts to prosecute drug-related crimes.

*

PROJECT PURPOSE:

First, describe the broad goals of your project. Then describe a specific plan for conducting the project and a rationale for the tasks and activities to be employed to address the problem outlined above.

Broad Goal:

The Greenville County Forensic Division Laboratory will replace the outdated FT-IR Spectrometer with a new serviceable instrument in order to support the overwhelming number of drug cases being submitted and to address the backlog of casework.

Specific Plan:

- 1- Identify and order FT-IR from selected Vendor.
- 2- Train Laboratory personnel in operation of FT-IR.
- 3- Utilize the FT-IR in the analysis of suspected controlled substances.
- 4- Reduce the number of backlogged cases in the Drug Laboratory utilizing the FT-IR.*

PROJECT OBJECTIVE(S):

Objectives are specific, quantified statements of expected results of the project. The objectives must be described in terms of measurable events that can be realistically expected under time constraints and resources. Objectives must be related to the Problem Statement and Project Purpose outlined above.

- 1- Document selection and purchase process of new FT-IR.
- 2- Document training of Drug Analysts in operation of the new FT-IR.
- 3- Track suspected controlled substances analyzed utilizing FT-IR through internal case management reports
- 4- Document the number of backlogged cases in the Drug Laboratory during the grant period. *

PERFORMANCE INDICATOR(S):

State exactly how each objective will be measured. Performance indicators must be matched to each program objective listed above (i.e., if there are 5 objectives then there must be 5 corresponding performance indicators). Performance indicators are based on quantitative (numbers) and qualitative (opinions organized in meaningful ways) data gathering procedures which evaluate and document your project.

- 1- Records will be maintained of all bidding/RFP procedures and selection process through documentation obtained from Greenville County Procurement.
- 2- Schedule training through Vendor for all Drug Laboratory personnel and maintain records of dates/attendees.
- 3- Drug Analysts will record all items/cases of suspected controlled substances analyzed on a monthly basis utilizing FT-IR.
- 4- Crime Laboratory Supervisor will maintain records of backlogged cases on a monthly basis. *

PROJECT EVALUATION:

This requirement is to: (1) establish an evaluation plan or process to assess the impact of your project on the problem in your jurisdiction, (2) conduct the evaluation during the grant funded period, and (3) submit a formal written evaluation report at the close of the grant period. The purpose of evaluating each project is to assess how well it has been implemented in your jurisdiction and to assess the extent to which the activities funded have achieved the project's goals. The plan or process must describe how the evaluation will be accomplished and must describe the range of activities that will serve as vehicles for obtaining general qualitative and specific quantitative information. The plan or process must be completed and submitted on this page.

*The evaluation of this grant will be conducted by the Project Director, who will compile all information related to analyzing suspected controlled substances in the Drug Laboratory. Data will be collected documenting the number of cases/items of suspected controlled substances analyzed utilizing the FT-IR during the grant period. The expected reduction of backlogged cases will be tracked through internal case management reports. The Project Director will compile and submit progress reports as well as the year-end evaluation report. **

GRANT-FUNDED PERSONNEL TRAINING:

A formal training plan should be prepared for grant-funded personnel to provide qualification training necessary to adequately implement the first year of the grant project. For continuation grant projects, sustainment-training needs are encouraged and expected. Cite the training plan and training courses below.

There are no grant funded personnel for this project.

PROJECT CONTINUATION POTENTIAL:

Explain how the project activity will be continued after federal assistance is no longer available.

*Greenville County will absorb the financial responsibility for this instrument and project at the conclusion of the grant period.**

Total Population for county(ies) or City/Town:

570,745

Cite source of information:

U.S. Census Bureau

AGENCY INFORMATION: (For Law Enforcement Agencies ONLY)

Number of regular full-time officers in implementing agency: 34

Number of regular part-time officers in implementing agency: 0

Number of reserve officers in implementing agency: 0

Total number of personnel in implementing agency: 384

Implementation Schedule

The Implementation Schedule is intended to give our office a proposed list of activities planned, when they are to be implemented, and the person responsible. Exact dates are not necessary in the "Implementation Proposed Time Frame" section.

Implementation Tasks	Person Responsible	Implementation Proposed (Proposed Quarters)
<i>Identify Vendors for FT-IR</i>	<i>Project Director</i>	<i>1st Quarter</i>
<i>Purchase FT-IR from Selected Vendor</i>	<i>Project Director</i>	<i>1st Quarter, 2nd Quarter</i>
<i>Train Employees in Use of New FT-IR</i>	<i>Crime Laboratory Supervisor</i>	<i>2nd Quarter, 3rd Quarter</i>
<i>Collect Data on Case Backlog</i>	<i>Crime Laboratory Supervisor</i>	<i>1st Quarter, 2nd Quarter, 3rd Quarter, 4th Quarter</i>
<i>Complete/Submit Required Quarterly Reports</i>	<i>Project Director</i>	<i>1st Quarter, 2nd Quarter, 3rd Quarter, 4th Quarter</i>
<i>Complete/Submit Final Report</i>	<i>Project Director</i>	<i>4th Quarter</i>

Personnel

Check here if this form is not applicable.

Position Title:

If multiple grant-funded positions are being requested, you must select the **ADD** button to create an additional page for each position.

Rate	Salary	Time Worked (# of hours, days, weeks, years)	Percentage of Time	Total	Cash Matching Funds	Grantor Costs
				\$0	\$0	\$0
Salaries - Total(s):				\$0	\$0	\$0

Type of Benefit	Base	Rate	Total	Cash Matching Funds	Grantor Costs
			\$0	\$0	\$0
Other Employer Contributions (Itemize)			\$0	\$0	\$0
Employer Contributions Total(s):			\$0	\$0	\$0

Grant Total	Total Cash Matching Funds	Total Grantor Cost
Personnel Grant Total Costs:	\$0	\$0

Narrative

Please include a description of the responsibilities and duties of each requested position in relationship to fulfilling the project goals and objectives. If this is an existing grant-funded position, provide justification for any salary increases. Applicants may provide any other explanation or comments in this section.

*

Contractual Services

Check here if this form is not applicable.

Itemize - DO NOT include professional fees for doctors, psychologists, etc.

Service Description	Cost	Quantity	Total	Cash Matching Funds	Grantor Cost
			\$0	\$0	\$0
Contractual Services - Total(s):			\$0	\$0	\$0

Narrative

Explain exactly how each item listed in your budget will be utilized. It is important that the necessity of these items, as they relate to the operation of the project, be established. Dollar amounts DO NOT have to be provided.

*

Travel

Check here if this form is not applicable.

Purpose of Travel Indicate the purpose/type of trip including location if available (i.e. training, advisory group meeting, etc.)	Type of Expense Lodging, meals, etc.	Basis Per Day, mile, trip, etc.	Cost	Quantity	# of Staff	# of Trips	Total	Cash Matching Funds	Grantor Cost
							\$0	\$0	\$0
Travel - Total(s):							\$0	\$0	\$0

Narrative

Explain exactly how each item listed in your budget will be utilized. It is important that the necessity of these items, as they relate to the operation of the project, be established. Dollar amounts DO NOT have to be provided.

*

Equipment

Check here if this form is not applicable.

\$2,500 or more per Unit or a sensitive item as determined by your program.

Itemize - DO NOT USE BRAND NAME. Also, DO NOT include leased, rented items, or software.

Type of Equipment	Cost	Quantity	Total	Cash Matching Funds	Grantor Costs
<i>Forensic Laboratory Equipment - Other</i>	\$90,618	1	\$90,618	\$9,062	\$81,556
Other Equipment <i>Instrument Control Workstation</i>	\$3,277	1	\$3,277	\$328	\$2,949
Equipment - Total(s):			\$93,895	\$9,390	\$84,505

Narrative

Explain exactly how each item listed in your budget will be utilized. It is important that the necessity of these items, as they relate to the operation of the project, be established. Dollar amounts DO NOT have to be provided.

Forensic Laboratory Equipment - Other: FT-IR (Fourier Transform Infrared Spectrometer) with ATR (Attenuated Total Reflectance) and four year extended warranty (5 years total warranty). The equipment will be used to examine and identify suspected controlled substances and the extended warranty will ensure proper maintenance and function for a minimum of 5 years with no additional associated costs.

Instrument Control Workstation: The workstation is necessary to operate the instrument.

*All equipment prices are increased 10% above quote to account for expected increases over the next 12 months.**

Other

Check here if this form is not applicable.

Type of Cost	Cost	Quantity	Total	Cash Matching Funds	Grantor Cost
<i>Training/Conference Registration</i>	\$10,625	1	\$10,625	\$1,062	\$9,563
<i>Shipping</i>	\$450	1	\$450	\$45	\$405
Other Costs					
<i>Taxes</i>	\$6,271	1	\$6,271	\$627	\$5,644
Other - Total(s):			\$17,346	\$1,734	\$15,612

Narrative

Explain exactly how each item listed in your budget will be utilized. It is important that the necessity of these items, as they relate to the operation of the project, be established. Dollar amounts DO NOT have to be provided.

Training: This will provide on-site training by a Field Sales Applications Scientist for all drug lab chemists in the use of the new instrument and workstation.

Shipping: Fee to have instrument shipped from the vendor.

*Taxes: South Carolina sales tax required on all purchases.**

Budget Summary

Budget Category	Total	Cash Matching Funds	Grantor Cost
Personnel	\$0	\$0	\$0
Contractual Services	\$0	\$0	\$0
Travel	\$0	\$0	\$0
Equipment	\$93,895	\$9,390	\$84,505
Other	\$17,346	\$1,734	\$15,612
Total Project Costs	\$111,241	\$11,124	\$100,117

Audit Requirement

ACCEPTANCE OF AUDIT REQUIREMENTS

PLEASE NOTE: State Agencies whose annual audit is covered by State Auditor's Office do not have to complete the form.

We agree to have an audit conducted in compliance with 2 CFR 200.501, if required. If a compliance audit is not required, at the end of each audit period we will certify in writing that we have not expended the amount of federal funds that would require a compliance audit (\$1,000,000). If required, we will forward for review and clearance a copy of the completed audit(s), including the management letter, if applicable, to: GrantsAccounting@scdps.gov

The following is information on the next organization-wide audit which will include this agency (Use your Agency's fiscal year)

1. * Audit Period: Beginning *07/01/2026* * Ending *06/30/2027* *
2. Audit or written certification will be submitted to Accounting - Grants by: *12/31/2027* *

NOTE: The audit or written certification must be submitted no later than the ninth month after the end of the audit period.

Additionally, we have or will notify our auditor of the above audit requirements prior to performance of the audit for the period listed above. We will also ensure that, if required, the entire grant period will be covered by a compliance audit which in some cases will mean more than one audit must be submitted. We will advise the auditor to cite specifically that the audit was done in accordance with 2 CFR 200.501. Any information regarding the CFR audit requirements will be furnished by the S.C. Department of Public Safety, upon request.

*** NOTE: The Audit Period is the organization's fiscal or calendar year to be audited.**

Failure to complete this form will result in your grant award being delayed and/or cancelled.

Attachments

DPS Use Only - Grantees can only download the attachment provided by DPS.

Description:

Miscellaneous - Please attach other requested information if applicable.

Description: *Representative quote with equipment, training and warranty information included.*

GreenvilleCounty2026iS50KR2.pdf

Description: *End of Life Letter*

iS10 EOL Letter Greenville County.pdf

Susan Molloy
Greenville County DPS Crime Lab
4 McGee St
Greenville South Carolina 29601
United States

March 5, 2026

GreenvilleCounty2026iS50KR2

The Nicolet iS50 FT-IR Spectrometer is the ideal partner in any laboratory dealing with materials analysis of gases, solids, liquids, blends and more. Add-in modules such as Raman for crystallinity and molecular backbone studies, GC-IR and TGA-IR for separation and deformation and NIR for RMID method developments make the Nicolet iS50 a system for all users. The built-in diamond ATR provides a single point, far-IR to mid-IR sampling station permanently installed and always ready. The OMNIC software platform creates a seamless, synergetic relationship between the optics, sampling stations and answers to tough analytical problems. The Mercury GC and Mercury TGA analysis add-ins remove all tedium from the analysis of those information-rich methodologies giving consistent results for any user. Touch Point activation means all this power is ready to go with a single button-press interface. Automated multi-range experiments and high resolution studies of gases are available even at the basic system level.

STANDARD SYSTEM WARRANTY

Nicolet iS50 includes one year of on-site warranty coverage. The system warranty period is 12 months from the date of installation or 14 months from the date of shipment, whichever is less. The system also includes warranties on the following parts:

Parts Only Warranty applies to: Interferometer (10-year), laser (5-year), source (10-year) Nicolet iS50 is field service installed.

Items marked with an asterisk (*) on the face of the quotation are not Thermo Fisher Scientific products. Thermo Fisher Scientific is not responsible for the installation, operation or warranty of these products. Manufacturers may provide their own warranties to you.

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	2
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Price if purchased before December 20, 2026 \$65,534.02

Customer Info:

Customer Name: Susan Molloy
Company Name: Greenville County DPS Crime Lab
Address: 4 McGee St
Greenville South Carolina 29601
United States

Phone: 864-467-5178
Email: smolloy@greenvillecounty.org

Sales Contact Info:

Contact Name: Keith Rhodes
Phone: +1 7045024139
Email: keith.rhodes@thermofisher.com

GreenvilleCounty2026iS50KR2

Item	Description	Qty
1.1	<p>912A0760 IS50 FIXED GOLD KBR BSPLTR Nicolet iS50 Analytical FTIR Spectrometer and Software ~ 0.09 cm⁻¹ resolution with variable aperture ~ Touch Point one-touch sampling operation ~ Gold optics ~ Fixed, single position source and detector mirrors ~ DLaTGS Detector with KBr window ~ Ge on KBr beamsplitter ~ Long Lifetime Polaris™ Infrared Source ~ System electronics board with USB communication port (full speed) ~ Upgradeable to include iS50 ATR Built-in, wide range diamond ATR ~ Accepts all Smart Accessories and many others ~ Expandable with the iS50 GC-IR and iS50 NIR modules ~ Compatible with Continuum FT-IR Microscope and TGA Accessory ~ Ready for iS50 ABX automatic beamsplitter changer ~ Without iS50 ABX: Internal storage for 2 additional beamsplitters ~ Internal Validation wheel for SPV or ValPro Qualifications included ~ Includes NIST Traceable Polystyrene and NG11 Glass ~ Sealed and Desiccated with KBr sample compartment windows ~ Includes OMNIC 9 standard software: ~ Includes one year of full-system on-site warranty coverage ~ Includes parts only warranty applied to: ~ Interferometer (10-years) ~ Laser (5-years) ~ Source (10-years)</p>	1

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	3
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Item	Description	Qty
	<p>OMNIC Standard Software</p> <ul style="list-style-type: none"> ~ Touch point software support for iS50 spectrometer and modules ~ Group and Ungroup file capability for easy management of related sample data in a single file without loss of information ~ Auto Analyze feature to perform and report TQ prediction, searching, Qcheck or Peak Labelling immediately after collection without any need for intervention. ~ Auto Report feature to automatically view results, print or add to current notebook. ~ Automatic atmospheric suppression to remove H2O and CO2 interferences (no standards needed) ~ System Performance verification (SPV) monitors system status ~ TQ Professional for quantitative and qualitative method development prediction and deployment. ~ Full-featured report generator and electronic laboratory notebook ~ OMNIC MacrosBasic to compile routine tasks into simple push button operations with access via OMNIC's customizable toolbar ~ Password protection and user login support ~ Full array of data conversion and correction tools such as Kubelka Munk, Kramers Kronig and Advanced ATR correction ~ Complete set of spectral data processing tools ~ Spectral Search: high-resolution library generation, customizable information fields, single or multi-region search, library management, with over 1400 spectra in included libraries ~ Easy to set-up parameters, live display of data collection and live spectral preview ~ Extensive on-line help and video tutorials <p>OMNIC Spectra Material Characterization software</p> <ul style="list-style-type: none"> ~ Unique task-based user interface significantly improves identification of unknowns ~ Advanced data management capability treats your entire hard drive as a database ~ Exclusive Multi-Component and Contaminant Search ~ Support for FT-IR and Raman spectral data ~ Data collection for Nicolet iS10, iZ10 and 6700 FT-IR Spectrometers ~ A total of 9,181 infrared spectra in high resolution format in the OMNIC Spectra General Chemicals collection of hydrocarbons, alcohols, phenols, aldehydes, ketones, esters, anhydrides, lactones, dyes, indicators, alkynes, nitro and azo compounds phosphorous and sulphur containing compounds, inorganic, and silanes 	
1.2	085-703800 CORD/PWR NAM 2.5M 10A NM5-	1

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	4
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Item	Description	Qty	
	Power Cord North American 120v, 3 Conductor		
1.3	699-124500 KIT IS50 MAIN ENGLISH LANGUAGE Nicolet iS50 English Language Kit	1	
1.4	470-151400 PURGE PNEUMATICS L Standard Purge System ~ Includes Purge Regulator, tubing and spectrometer attachment	1	
			Nicolet iS50 Subtotal: \$51,030.02
			Nicolet iS50 Discount - \$5,613.30
			Nicolet iS50 Total \$45,416.72
1.5	840-081500 SMART GOLDN GATE ZNSE TESTED L *Smart Golden Gate, ZnSe Lenses	1	
			Diamond ATR Subtotal: \$15,900.00
			Diamond ATR Discount - \$1,749.00
			Diamond ATR Total \$14,151.00
1.6	912A1225 ADVANCED-DELL OPTIPLEX CI7-WIN11PRO (or model with similar capabilities) Includes: Advanced Workstation Dell OptiPlex Mini Tower Chassis Intel Core i7-12700 Processor 12 Cores 3.4GHz 32GB RAM, DDR5 Non-ECC 1TB Solid State Hard Drive AMD Radeon RX 640 Display Card Keyboard and Mouse 8X DVD+/-RW, Data Only Integrated Audio and Internal Speaker Audio Ports: Line-In, Line-Out 7 USB Ports, Four Front, 3 Rear 3 Display Ports 3 Expansion Slots: Full Height PCIe x4, x16 Chassis intrusion switch Dell 3 Year Economy Support Plan RoHS Compliant Lead Free Chassis and Motherboard	1	
1.7	840-223900 FLAT PANEL MONITOR 22 WIDE.. *22" Flat Panel Widescreen Monitor ~ Dell UltraSharp 22" Widescreen Flat Panel Display (or equivalent) ~ Signal Input, DVI and VGA ~ Dell 3 Year Economy Support Plan	1	
			Instrument Control Workstation Subtotal: \$2,979.00
			Instrument Control Workstation Total \$2,979.00
1.8	702-080800 Applications Development - 1 day Custom Applications Development - 1 day ~ Training delivered by Field Sales Applications Scientist	1	

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	5
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Item	Description	Qty
1.9	702-080900 Applications Development-additional day Custom Applications Development - one additional day ~ Training delivered by Field Sales Applications Scientist ~ Requires purchase of 702-080800 (Applications development 1-day)	1
		On-site Training Subtotal: \$10,625.00
		On-site Training Total \$10,625.00
		Quote Subtotal: \$80,534.02
		Promotions / Discounts: - \$7,362.30
		Quote total less discounts: \$73,171.72
		Shipping: \$450.00
		Quotation Totals: \$73,621.72

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.

Standard System Warranty:

Nicolet iS50 includes one year of on-site warranty coverage. The system warranty period is 12 months from the date of installation or 14 months from the date of shipment, whichever is less. The Nicolet iS50 requires qualified service installation, or the warranty will be voided. The system also includes parts only warranties specific to the following parts:

Interferometer (10 years), Source (10 years), Laser (5 years).

The Nicolet iS50 is field service installed.

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	6
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Items marked with an asterisk (*) on the face of the quotation are not Thermo Fisher Scientific products. Thermo Fisher Scientific is not responsible for the installation, operation or warranty of these products. Manufacturers may provide their own warranties to you.

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	7
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Options / Recommendations

Item	Description	Unit Price	Qty	Total Price
1.10	701-954200		1	\$5,518.00

EXT WARRANTY IS50 ANALYTICAL MODEL

UNITY LAB SERVICES EXTENDED WARRANTY PLAN

~ FTIR and RAMAN

Plan Features:

~ Field Service Engineer labor, travel, and parts required for corrective maintenance visits with a targeted response time of 3 business days.

~ Priority status for technical support inquiries with a targeted immediate response time. A certified service engineer will conduct diagnosis and corrective maintenance procedures using the latest digital remote support tools

~ One (1) scheduled annual Preventive Maintenance visit (a standard PM kit is included)

~ Discount on additional Preventive Maintenance

~ Instrument Requalification (RQ) in conjunction with a scheduled corrective maintenance with a purchase of an add-on Operational Qualification (OQ)

~ Premium subscription to Unity Lab Services Online Knowledge Base

~ 10% discount on parts, accessories, and consumables during the effective period of the contract (ask for the discount when contacting your local Thermo Fisher Scientific parts ordering department)

~ Computers that were purchased from Thermo Fisher Scientific and required for the operation of the analytical system

~ Software and firmware updates upon request and in conjunction with a scheduled Preventive Maintenance or Corrective Maintenance visit (updates are defined as changes of the existing software version that are intended to improve its performance)

~ 10% discount off list price for training classes purchased during the contract validity period. May not be available in all locations or used in conjunction with any other discounts or promotions (please check availability with your local Thermo Fisher sales representative or customer service team)

Coverage Exclusions:

~ Background checks, drug-testing, or on-site trainings required by customers may be subject to additional charges

~ Applications and method development support

~ Computers and/or software not provided and/or installed with the system by Thermo Fisher Scientific

~ Computer hardware, operating system, and layered application software upgrades

~ Computer replacement in order to accommodate an upgrade to a newer version of the operating system

~ Instrument control software version upgrades

~ External power equipment e.g. UPS (uninterruptable power supply), power conditioner, or isolation transformer

~ Operator training

~ Complete system replacement

~Buy-in parts and engineering specials

Sales Quotation

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	8
Lead Time	Payment Terms	Freight Terms	Expiration Date
	NET 30 DAYS UPON INVOICE DATE	Origin - Prepay And Add	May 4, 2026
Company Name		Customer Name	
Greenville County DPS Crime Lab		Susan Molloy	
* 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

Item	Description	Unit Price	Qty	Total Price
	<p>~Consumable items and wearable parts such as cassettes, diskettes, external cables, gas cells, gaskets, grease, ink, light bulbs o-rings, ribbons temperature controllers and paper.</p> <p>~Unless covered by a specific contract option, third party accessories, GC ovens, auto samplers, mapping stages, all Raman lasers, 960 Raman lasers iS50 ATR Module, iS50 Beam splitter Exchanger and sampling accessories (including Spectra-tech and Smart Accessories) ATR crystals.</p> <p>Validation Service Notes: When ValPro or Val-Q validation services are purchased as part of the INSTRUMENT SERVICE PLAN, the appropriate validation software package is required. If validation software is not currently installed on the system please contact your local Service Call Center to purchase the appropriate validation software package.</p>			
1.11	701-061444 Factory War PM - Nicolet iS50 Analytical		1	\$3,705.00
	<ul style="list-style-type: none"> • Annual standard Preventive Maintenance visit and a standard Preventive Maintenance Kit 			

Options Total: \$9,223.00

EXTENDED WARRANTIES:

Extended Warranty is available at discounted prices when purchased at the time of instrument. 20% off for 1 additional year (2 years total), 25% off for 2 years (3 years total), 30% off for 3 years (4 years total), 30% off for 4 years (5 years total).

701-954200 EXT WARRANTY IS50 ANALYTICAL MODEL

Additional Years	List Price	Promo Price when purchased with Instrument (s)	Savings
1	\$5,518.00	\$4,414.40	\$1,103.60
2	\$11,036.00	\$8,277.00	\$2,759.00
3	\$16,554.00	\$11,587.80	\$4,966.20
4	\$22,072.00	\$15,450.40	\$6,621.60

Purchase Order - Submission Details

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	9
Lead Time	Payment Terms		Expiration Date
	NET 30 DAYS UPON INVOICE DATE		May 4, 2026
Inco Terms 1	Inco Terms 2	Shipping Method	
Origin - Prepay And Add		Fed Ex Ground	
See below			

Thermo Electron North America LLC
 5225 Verona Road
 Madison WI 53711

 1400 Northpoint Parkway
 West Palm Beach FL 33407

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.

To place an order via Ariba, please use Ariba Vendor Number AN01000155661.

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

To keep you informed, we offer a convenient way to track your order status through our Order Lookup solution. Click [here](#) to access real-time updates and stay up to date on your shipment.

Purchase Order - Submission Details

Quote Number	Version	Quotation Date	Page
CPQ-00852160	1.00	March 5, 2026	10
Lead Time	Payment Terms		Expiration Date
	NET 30 DAYS UPON INVOICE DATE		May 4, 2026
Inco Terms 1	Inco Terms 2	Shipping Method	
Origin - Prepay And Add		Fed Ex Ground	
See below			

Thermo Electron North America LLC
 5225 Verona Road
 Madison WI 53711

 1400 Northpoint Parkway
 West Palm Beach FL 33407

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.

Dear Kristin:

This letter contains important product lifecycle information about your *Nicolet iS10*. Please keep this letter for future reference.

Because you are a valued customer, Thermo Fisher Scientific would like to update you with important information regarding your instrument:

***Nicolet iS10* is approaching End of Guaranteed Support (EOGS) and Retirement**

Nicolet iS10 has been one of the most successful instruments offered by Thermo Fisher Scientific. However, procurement of some of the critical parts and components has become increasingly difficult due to the age of the instrument. For this reason, Thermo Fisher Scientific has set critical lifecycle dates for this product.

EOGS period for *the Nicolet iS10* will begin on 7/1/2027 and last until 7/1/2028. During that period, Thermo Fisher Scientific will provide parts and billable repair services on a commercially reasonable basis subject to availability. In some cases, Thermo Fisher Scientific may be able to offer an End of Service Life service contract. Standard support plans will not be available. All standard support plans purchased **prior** to EOGS date will be fully honored through the end date specified in the service contract.

***Nicolet iS10* will be transitioned to Retirement on 7/1/2028.** All types of service and support will be stopped effective that date.

As we phase out support for the *iS10*, we encourage you to consider upgrading to our latest innovation, the Thermo Scientific™ Nicolet™ Apex FTIR spectrometer. The Nicolet™ Apex offers all the features you have come to rely on, along with new capabilities and enhanced configuration options. For more information about our FTIR solutions, please contact your local sales representative.

We understand that you may have additional questions during this period of transition and would like to assist you with all your service and purchase requests. Please feel free to contact your local Thermo Fisher Scientific representative at **1-800-532-4752** with any questions you might have regarding the service of your current instrument, or replacing it with a new unit.

Thank you for continued patronage of Thermo Fisher Scientific. We appreciate your business and we would like to thank you again for selecting our company as your scientific instrument and service provider.

Sincerely,

IES Service Marketing Team