

# Los Rios Community College District

PURCHASE ORDER NO 0001113824

Purchasing: (916)568-3071 \* FAX (916) 568-3145  
LRCCDpurchase@losrios.edu

Accounting Ops: (916)568-3065 \* FAX (916) 286-3636  
Acctg-ops@losrios.edu

PLEASE SEE TERMS AND CONDITIONS APPENDED TO THIS PO

**Supplier:** 0000045829  
AMPLYUS LLC  
DBA miniPCR  
1770 MASSACHUSETTS AVE STE 167  
CAMBRIDGE MA 02140

**Phone:** (781) 990-8727

**email:** orders@minipcr.com

Date	Revision	Page
12/03/2020		1
Payment Terms	Freight Terms	Ship Via
NET 30	Shipping Point	Best Method
Reference:	Location / Dept	
1028052 ZWERENZK HANEYB	04EDCA103 EDC	

**Ship To:** EL DORADO CENTER  
RECEIVING  
6699 CAMPUS DR  
PLACERVILLE CA 95667  
United States

**Bill To:** LRCCD  
Invoice to: acctg-ops@losrios.edu  
1919 Spanos Court  
Sacramento CA 95825-3981  
United States

Tax Exempt? N

Line-Sch	Item/Description	Quantity UOM	PO Price	Extended Amt	Due Date
1- 1	MINIPCR MINI8 THERMAL CYCLER	4.00 EA	650.00	2,600.00	12/10/2020
2- 1	SHIPPING	1.00 EA	30.00	30.00	11/30/2020
3- 1	BLUEGEL ELECTROPHORESIS WITH BUILT-IN ILLUMINATOR	8.00 EA	300.00	2,400.00	12/10/2020
4- 1	GYRO MICROCENTRIFUGE, FIXED SPEED 10K RPM	2.00 EA	160.00	320.00	12/10/2020
5- 1	H-STYLE 0.5-10 ADJUSTABLE VOLUME MICROPIPETTE	1.00 EA	50.00	50.00	12/10/2020
6- 1	H-STYLE 2-20 ADJUSTABLE VOLUME MICROPIPETTE	9.00 EA	50.00	450.00	12/10/2020
7- 1	H-STYLE 20-200 ADJUSTABLE VOLUME MICROPIPETTE	1.00 EA	50.00	50.00	12/10/2020
8- 1	200 MICROPIPETTE TIPS - 2 RACKS OF 96	4.00 EA	10.00	40.00	12/10/2020
9- 1	10 MICROPIPETTE TIPS - 2 RACKS OF 96	1.00 EA	13.00	13.00	12/10/2020
10- 1	MINIPCR BIOTECH CLASSROOM PACK DISCOUNT -MINIPCR BIOTECH CLASSROOM PACK (CONTAINS ALL ITEMS LISTED ABOVE)	1.00 EA	-933.00	-933.00	12/10/2020

All shipments, invoices, and correspondence must be identified with our Purchase Order Number. Overshipments will not be accepted unless authorized by Buyer prior to shipment.

Authorized Signature

Notice to vendor: You are responsible for delivering good and delivery documents to the Receiving Department at the site. Failure to so do will delay payment processing. Vendor is responsible for obtaining verification of delivery by authorized Receiving Room personnel. Receipt of good by other parties and failure to obtain authorized signatures may also delay payment. NOTE: PAYMENT TERMS NET 30  
MATERIAL SAFETY DATA SHEETS (MSDS) must be provided with the delivery of product as required by law.

# Los Rios Community College District

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AMPLYUS LLC  
DBA miniPCR  
1770 MASSACHUSETTS AVE STE 167  
CAMBRIDGE MA 02140

**Phone:** (781) 990-8727

**email:** orders@minipcr.com

<b>Date</b>	<b>Revision</b>	<b>Page</b>
12/03/2020		2
<b>Payment Terms</b>	<b>Freight Terms</b>	<b>Ship Via</b>
NET 30	Shipping Point	Best Method
<b>Reference:</b>	<b>Location / Dept</b>	
1028052 ZWERENZK HANEYB	04EDCA103 EDC	

**Ship To:** EL DORADO CENTER  
RECEIVING  
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Sacramento CA 95825-3981  
United States

**Tax Exempt?** N

Line-Sch	Item/Description	Quantity UOM	PO Price	Extended Amt	Due Date
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QUOTE 202001-2541 12-01-2020

ATTENTION VENDORS:  
EL DORADO CENTER RECEIVING HOURS ARE CURRENTLY MONDAY ONLY 10:00 AM - 1:00 PM UNTIL FURTHER NOTICE,  
AND  
CAMPUS RECEIVING WILL BE CLOSED FOR ALL DELIVERIES - DECEMBER 18, 2020 - JANUARY 3, 2021

<b>Sub Total Amount</b>	5,020.00
<b>Sales Tax Amount</b>	361.79
<b>Total PO Amount</b>	5,381.79

<u>BU</u>	<u>Acct</u>	<u>Fd</u>	<u>Org</u>	<u>Prog</u>	<u>Sub</u>	<u>Proj</u>	<u>Amount</u>	<u>BYear</u>
GENFD	4300	12	FL.VI.VTEA	12050	00000	314A	5,381.79	2021

0001028052CHAVEZA30-NOV-2020

Verification of this purchase order can be made using the Los Rios Community College District web site listed below.  
If you have any questions, please contact the Purchasing Office at (916)568-3071.

<http://www.losrios.edu/purchasing/povalidation>

All shipments, invoices, and correspondence must be identified with our Purchase Order Number. Overshipments will not be accepted unless authorized by Buyer prior to shipment.

**Authorized Signature**

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# LOS RIOS COMMUNITY COLLEGE DISTRICT

American River College • Cosumnes River College • Folsom Lake College • Sacramento City College

## PURCHASE ORDER TERMS AND CONDITIONS

1. **APPLICABLE LAW:** The contract resulting from this order shall be governed by the laws of the State of California.
2. **COMPLETION OF ORDERS:** LRCCD reserves the right to withhold payment until order is completed.
3. **DISCOUNTS:** Please show cash payment discount offered on your invoice in connection with any discount offered, time will be computed from date of delivery of the supplies or equipment, or from date correct invoices are received in the office specified by LRCCD if the latter date is later than the date of delivery. Payment is deemed to be made for the purpose of earning discount, on the date payment is mailed or on behalf of LRCCD.
4. **INVOICES:** Invoices shall be prepared and submitted in duplicate unless otherwise specified. Invoices shall contain Purchase order number, date, description of items, sizes and quantities, unit prices, extended totals, place and date of delivery. Invoices or vouchers not on printed bill heads shall be signed by the CONTRACTOR or person furnishing the supplies or services. Every invoice shall be properly itemized. If LRCCD has not received billing for product or services within a one year period LRCCD will not be held responsible for satisfying the debt.
5. **CHANGES:** No change or modification in terms, quantities, or specifications may be made without express authorization in writing from the LRCCD Purchasing Office and signed by the parties hereto, and no oral understanding or agreement not incorporated herein shall be binding on any of the parties hereto. If unit cost of any item exceeds the amount shown by 10% or \$250.00 whichever is less do not ship. Contact LRCCD Purchasing at the phone number provided.
6. **BILL OF LADING:** If Bill of Lading is applicable to this order, send originals to "Ship to" address and duplicate Bill of Lading with invoices to "Bill to" address. All correspondence, invoices, bills of lading, shipping memos, packages, etc., must show purchase order number. If factory shipment, advise factory to comply.
7. **TRANSPORTATION CHARGES:** Invoices for prepaid transportation charges must be supported by original receipted expense bills.
8. **FOB POINT AND FREIGHT CHARGES:** Unless otherwise specified on this order, all items shall be delivered FOB Destination. No charge for delivery, drayage, express, parcel post, packing, cartage, insurance, license fees, permits, or for any other purpose will be paid by LRCCD unless expressly included and itemized in the order. Unless otherwise shown, on "FOB Shipping Point" transactions, CONTRACTOR shall arrange for lowest cost transportation, prepay and add freight to invoice and furnish supporting freight bills if the amount exceeds \$50.00. On "FOB Shipping Point" transactions, should any shipments under this purchase order be received by LRCCD in a damaged condition and any related freight loss and damage claims filed against the carrier or carriers be wholly or partially declined with the inference that damage was the result of the act of the shipper such as inadequate packaging or loading or some inherent defect in the equipment and/or material, CONTRACTOR on request of LRCCD shall at CONTRACTOR's own expense assist LRCCD in establishing carrier liability by supplying evidence that the equipment and/or materials was properly constructed, manufactured, packaged, and secured to withstand normal transportation conditions. Shipments that are California intrastate in nature and where freight is to be borne by LRCCD shall be tendered to carriers with written instructions that rate and charges may not exceed the lowest lawful rates on file with the California Public Utilities Commission.
9. **PATENT INDEMNITY:** The CONTRACTOR shall hold LRCCD, its officers, agents and employees harmless from alleged liability of any nature or kind, including costs and attorney fees and expenses, for infringement or use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, article or appliance furnished or used in connection with the contract or purchase order.
10. **TAXES:** Certain articles sold to LRCCD are exempt from certain Federal excise taxes. LRCCD will reimburse the CONTRACTOR for, or pay directly, all California State and local sales and use taxes applicable to this purchase.
11. **EQUAL OPPORTUNITY EMPLOYER:** The acceptance of this purchase order by a supplier of goods and services is a certification that such supplier complies with all provisions of executive order 11246 and is an equal opportunity employer.
12. **GENERAL SAFETY ORDERS:** All materials, supplies and services sold to LRCCD shall conform to the general safety orders of the State of California. All materials, except as otherwise specified, must be new and of the best quality of their respective kinds.
13. **INDEMNIFICATION:** CONTRACTOR shall indemnify, defend and hold harmless LRCCD, its trustees, officers, agents, employees and volunteers, from any and all claims, demands, suits, causes of action, damages, penalties, breaches of this agreement, infringement of patent rights, costs, expenses, violations of employee occupational health and safety laws, attorney fees, losses or liability, property damage, personal injuries to or death of person arising out of, alleged to have arisen out of, or relating in any way to CONTRACTOR's work to be performed under this agreement, except if caused solely by the negligence of LRCCD.
14. **TERMINATION:** LRCCD may terminate this agreement and be relieved of the payment of any consideration to CONTRACTOR should CONTRACTOR fail to perform the covenants herein contained at the time and in the manner herein provided. In the event of such termination LRCCD may proceed with the work in any manner deemed proper by LRCCD. The cost to LRCCD shall be deducted from any sum due the CONTRACTOR under this agreement and the balance if any, shall be paid the CONTRACTOR upon demand.
15. **ASSIGNMENT:** Without the written consent of LRCCD, this agreement is not assignable by CONTRACTOR either in whole or in part.
16. **PUBLIC WORKS PROJECTS:** CONTRACTOR must comply with Public Contract Code.
17. **CA LABOR CODE:** Pursuant to Section 1700, and following, the CONTRACTOR shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are on file at the Business Office of the Los Rios Community College District, 1919 Spanos Court, Sacramento, CA 95825. Those copies shall be made available to any interested party upon request. The CONTRACTOR shall forfeit, as penalty to the LRCCD, Fifty Dollars (\$50.00) for each calendar day or portion thereof, for each workman paid less than the stipulated prevailing rates for any work done under the contract by him/her or by any subcontractor under him, in violation of the provisions of such Labor Code.
18. **NOTICE:** Your employees may be exposed to hazardous substances during the course of their work while on LRCCD property. For additional information on the hazardous substances that your employees may be exposed to contact the LRCCD General Services Department at (916) 568-3048.
19. **INSURANCE:** CONTRACTOR shall, at all times, maintain in full force and effect the following insurance: Workers' Compensation, Commercial General Liability, Auto Liability, and Professional Liability, if licensed professional. Policy limits for each shall be at least \$1,000,000 AND \$1M, \$2M, or \$3M AGGREGATE as prescribed by DISTRICT requirements for bodily injury, personal injury and property damage. Any combination of General Liability and Excess Coverage can be combined to meet the Aggregate. LRCCD shall be named as an additional insured on CONTRACTOR's policies. The CONTRACTOR shall provide a certificate of insurance and required endorsements to comply with this section at least 15 days prior to commencement of work under this contract. The certificate shall state that LRCCD will be given 30 days notice of any material change or cancellation in coverage. LRCCD insurance requirements can be viewed on the following website [www.losrios.edu/purchasing](http://www.losrios.edu/purchasing).
20. **DISQUALIFIED EMPLOYEES:** CONTRACTOR shall ensure that persons who perform services on LRCCD property have not been convicted of any felony, or any controlled substance offense or any sex offense as defined by Education Code section 87008-87010. If LRCCD determines that any person employed by CONTRACTOR to work on LRCCD property is incompetent, unfaithful, intemperate, disorderly, abusive or is otherwise unsatisfactory, CONTRACTOR shall cause that employee to be removed from working on LRCCD property immediately, and that person shall not be employed again on LRCCD property.
21. **WORK AUTHORIZATION:** Prior to LRCCD's acceptance of this Agreement, CONTRACTOR's who are not U.S. citizens must provide verification of (a) work authorization status from the appropriate U.S. Department of State; (b) a copy of their U.S. visa; (c) the number of days present in the U.S.; and (d) tax treaty status. LRCCD shall not make any payments to CONTRACTOR unless CONTRACTOR holds the appropriate U.S. visa. CONTRACTOR is responsible for ensuring they are in possession of the appropriate visa.
22. **WARRANTY:** CONTRACTOR expressly warrants that all materials, goods, equipment, services, and/or labor shall conform to the requirements set forth or incorporated into this order and any applicable industry standards or requirements, shall be merchantable and free from defects in workmanship, materials and/or design (including latent defects), and shall perform as specified. CONTRACTOR further warrants that all materials, goods, equipment, services, and/or labor will be fit and sufficient for the particular purposes intended by LRCCD. Unless agreed upon otherwise between LRCCD and CONTRACTOR, the warranty period shall be the longer of: (a) any express warranty included in this service agreement; (b) one year after the materials, goods, equipment, services, and/or labor are accepted by LRCCD; or (c) any warranty period provided under any applicable California law. CONTRACTOR further represents and warrants that any software/ hardware/ communications system/ equipment provided under this Agreement (collectively "technology") adheres to the standards and/or specifications as may be set forth in the Section 508 of the Rehabilitation Act of 1973 standards guide and is fully compliant with WCAG 2.0 AA standards for accessibility and compliant with any applicable FCC regulations. If portions of the technology or user experience are alleged to be non-compliant or non-accessible, LRCCD will provide CONTRACTOR with notice of such allegation and CONTRACTOR shall use its best efforts to make the technology compliant and accessible. CONTRACTOR shall indemnify, defend, and hold harmless LRCCD from and against any and all claims, allegations, liabilities, damages, penalties, fees, costs (including but not limited to reasonable attorneys' fees), arising out of or related to allegations the technology is not accessible.
23. **CERTIFICATION:** CONTRACTOR warrants that it is not debarred or suspended, proposed for debarment or declared ineligible for award of contracts by any Federal, State or local Agency.

# Requisition

**Supplier:** MISCELLANEOUS 0000003680  
\*\*\*\*\*  
\*\*\*\*\* CA 95825  
United States

**email:**

**Ship To:** RECEIVING  
6699 CAMPUS DR  
PLACERVILLE CA 95667

<b>Business Unit:</b> GENFD OPEN	
Req ID: 0001028052	Date: 11/16/2020
Page 1	
Requisition Name: MINIPCR BIO AMPLYUS LLC - EDC	
Requester: Kimberly Zwerenz	
Requester Signature	
Buyer: Brenda Haney	
Approved:	
Entered By: ZWERENZK 16-NOV-2020	

Line-Schd	Description	Quantity	UOM	Price	Extended Amt	Due Date
1-1	MINIPCR MINI8 THERMAL CYCLER	4	EA	650.00	2,600.00	11/30/2020
2-1	SHIPPING	1	EA	30.00	30.00	11/30/2020
3-1	BLUEGEL ELECTROPHORESIS WITH BUILT-IN ILLUMINATOR	8	EA	300.00	2,400.00	11/30/2020
4-1	GYRO MICROCENTRIFUGE, FIXED SPEED 10K RPM	2	EA	160.00	320.00	11/30/2020
5-1	H-STYLE 0.5-10 ADJUSTABLE VOLUME MICROPIPETTE	1	EA	50.00	50.00	11/30/2020
6-1	H-STYLE 2-20 ADJUSTABLE VOLUME MICROPIPETTE	9	EA	50.00	450.00	11/30/2020
7-1	H-STYLE 20-200 ADJUSTABLE VOLUME MICROPIPETTE	1	EA	50.00	50.00	11/30/2020
8-1	200 MICROPIPETTE TIPS - 2 RACKS OF 96	4	EA	10.00	40.00	11/30/2020
9-1	10 MICROPIPETTE TIPS - 2 RACKS OF 96	1	EA	13.00	13.00	11/30/2020
10-1	MINIPCR BIOTECH CLASSROM PACK DISCOUNT -MINIPCR BIOTECH CLASSROOM PACK (CONTAINS ALL ITEMS LISTED ABOVE)	1	EA	-933.00	-933.00	11/30/2020

5,020.00 Sub-total  
361.79 Est. tax

Total Requisition Amount: 5,381.79

QUOTE 202001-2541 DTD 10/27/20

PERKINS CHECKLIST ATTACHED

VENDOR NAME:'  
AMPLYUS DBA MINIPCR  
1770 MASSACHUSETTS AVE STE 167  
CAMBRIDGE MA 02140

SOLE SOURCE FORM & LETTER ATTACHED

BU	Acct	Fd	Org	Prog	Sub	Proj	Amount
GENFD	4300	12	FL.VI.VTEA	12050	00000	314A	5,020.00

Approval Signature	Approval Signature	Approval Signature
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# Requisition

**Supplier:** MISCELLANEOUS

\*\*\*\*\*

\*\*\*\*\* CA 95825

United States

**email:**

**Ship To:** RECEIVING  
6699 CAMPUS DR  
PLACERVILLE CA 95667

0000003680

**Business Unit:** GENFD OPEN

Req ID: 0001028052 Date 11/16/2020 Page 2

Requisition Name:  
MINIPCR BIO AMPLYUS LLC - EDC

Requester  
Kimberly Zwerenz

Requester Signature

Buyer: Brenda Haney

Approved:

Entered By: ZWERENZK 16-NOV-2020

Line-Schd	Description	Quantity	UOM	Price	Extended Amt	Due Date
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## Purchases Charged to Catagorical Programs, Grants or Special Project.

Program Name: VTEA  
Project Grant: 314A  
Program Director: VICTORIA MARYATT  
Program Goal: PERKINS GOALS 1,3,5 C 7

Approval Signature

Approval Signature

Approval Signature

**miniPCR bio | Amplyus LLC**

1770 Massachusetts Avenue  
Suite 167  
Cambridge, MA 02140

**Quote**

Date	Quote #
10/27/2020	202001-2541

**Name / Address**

Folsom Lake College - El Dorado Center  
Kim Zwerenz

Item	Description	Qty	Rate	Total
QP-2500-20				
QP-1000-01	miniPCR™ mini8 thermal cycler	4	650.00	2,600.00T
QP-1500-01	blueGel™ Electrophoresis with Built-in Illuminator	8	300.00	2,400.00T
QP-1800-01	Gyro™ Microcentrifuge, fixed speed 10K RPM	2	160.00	320.00T
QP-1001-05	H-style 0.5-10µl adjustable volume micropipette	1	50.00	50.00T
QP-1001-01	H-style 2-20µl adjustable volume micropipette	9	50.00	450.00T
QP-1001-03	H-style 20-200µl adjustable volume micropipette	1	50.00	50.00T
CM-1001-01	200 µl micropipette tips - 2 racks of 96	4	10.00	40.00T
CM-1001-05	10 µl micropipette tips - 2 racks of 96	1	13.00	13.00T
DC-2500-20	miniPCR Biotech Classroom Pack discount	1	-933.00	-933.00
	miniPCR Biotech Classroom Pack (contains all items listed above)			4,990.00
Shipping-01	US Flat Rate UPS Shipping		30.00	30.00
			Subtotal	\$5,020.00
			Sales Tax (0.0%)	\$0.00
			Total	\$5,020.00

# Perkins V Expenditure Checklist 2020-21

Requisition/PO/CBR/BPO/Travel Authorization Number: 0001028052

Date: 11/12/20

## Six Activity Categories that Apply to this Expenditure Request

Directions: Select the Activity Category(ies) you indicated in the Perkins plan that relates to the expenditure. For example, if you wrote an activity for Quality Class Theatrical Projects and indicated that this activity applied to Activity Categories 3, 4, and 5, check those boxes.

- ☒ 1. **Career Exploration and Development** - Provide career exploration and career development activities through an organized, systematic framework
- ☐ 2. **Professional Development** - Provide professional development for a wide variety of CTE professionals
- ☒ 3. **Skill Development** - Provide the skills necessary to pursue high-skill, high-wage or in-demand industry sectors or occupations.
- ☐ 4. **Skill and Program Integration** - Support integration of academic skills into CTE programs.
- ☒ 5. **Implement Achievement Programs** - Plan and carry out elements that support the implementation of CE programs and programs of study and that result in increased student achievement.
- ☐ 6. **Develop and Implement Evaluations** - Develop and implement evaluations of the activities funded by Perkins.

## Permissive Activity that Applies to this Expenditure Request

Select the Permissive Activity you indicated in your Perkins plan that relates to this expenditure. Check the box below that you indicated in your Perkins plan.

- ☐ 1. Involve parents, businesses, and labor organizations in the design, implementation, and evaluation of programs.
- ☐ 2. Provide career guidance & academic counseling that improves graduation rates and information about career options.
- ☐ 3. Local education and business partnerships including work-related experiences for students or faculty.
- ☐ 4. Provide programs for special populations.
- ☐ 5. Assisting CTE student organizations.
- ☐ 6. Mentoring and support services.
- ☒ 7. Leasing, purchasing, upgrading, or adapting equipment including instructional aides and publications. (including support for library resources)
- ☐ 8. Teacher preparation programs that address the integration of academic and CTE programs.
- ☐ 9. Developing and expanding program offerings in formats accessible for all students, including distance education.
- ☐ 10. Facilitate transitions to BA degree programs including articulations agreements, dual enrollment, and counseling. Provide activities to support entrepreneurship education and training through academic or financial aid counseling to help overcome barriers for special populations
- ☐ 11. Provide activities to support entrepreneurship education and training
- ☐ 12. For Improving or developing new CTE courses, including the development of new proposed CTE programs preparing students for high skill, high wage, high demand occupations.
- ☐ 13. Develop and support small, personalized career-themed learning communities
- ☐ 16. Provide assistance to individuals who have participated in services and activities to continue their education or training in finding an appropriate job.
- ☐ 17. To support training and activities (such as mentoring and outreach) in nontraditional fields
- ☐ 19. To support innovative initiatives, which may include: improving professional development of CTE teachers, faculty, administrators, and counselors

**Budget String:** GENFD/4300 /12/FL.VI.VTEA/12050 /00000/2021/314a \$ 5406.73

**Current balance in above budget string:** \$ 11444.00

Is this a permissible expenditure (see other side of this form for a list of impermissible uses)? ☒ Yes ☐ No

**LOS RIOS COMMUNITY COLLEGE DISTRICT**  
**Sole/Single Source Purchase Justification**

Vendor: \_\_\_\_\_ Requisition No: \_\_\_\_\_

Commodity/Service: \_\_\_\_\_

Estimated annual expenditure for the above commodity or service: \$: \_\_\_\_\_

Pursuant to Purchasing Policy, Sole/Single Source purchase requests & approvals must be performed in advance and shall be supported by written documentation. This form and appropriate supporting documentation fulfills that requirement.

Initial all entries below that apply to the proposed purchase. Attach supporting documentation and justification memo as described below (More than one entry will apply to most sole/single source products/services for purchase requested).

1. \_\_\_\_\_ SOLE SOURCE REQUEST IS FOR THE ORIGINAL MANUFACTURER OR PROVIDER, THERE ARE NO REGIONAL DISTRIBUTORS. (**Attach the manufacturer's written certification that no regional distributors exist. Item no. 4 also must be completed.**)
2. \_\_\_\_\_ SOLE SOURCE REQUEST IS FOR ONLY GREATER SACRAMENTO AREA DISTRIBUTOR OF THE ORIGINAL MANUFACTURER OR PROVIDER. (**Attach the manufacturers — not the distributor's — written certification that identifies all regional distributors. Item no. 4 also must be completed.**)
3. \_\_\_\_\_ THE PARTS/EQUIPMENT IS NOT INTERCHANGEABLE WITH SIMILAR PARTS OF ANOTHER MANUFACTURER. (**Explain in separate memorandum.**)
4. \_\_\_\_\_ THIS IS THE ONLY KNOWN ITEM OR SERVICE THAT WILL MEET THE SPECIALIZED NEEDS OF THIS DEPARTMENT OR PERFORM THE INTENDED FUNCTION. (**Attach memorandum with details of specialized function or application.**)
5. \_\_\_\_\_ THE PARTS/EQUIPMENT IS REQUIRED FROM THIS SOURCE TO PERMIT STANDARDIZATION. (**Attach memorandum describing basis for standardization request.**)
6. \_\_\_\_\_ CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS)PURCHASE CONTRACT NO: \_\_\_\_\_
7. \_\_\_\_\_ "PIGGY-BACK"/UMBRELLA PURCHASE ON ANOTHER GOVERNMENT ENTITY'S CONTRACTS
8. \_\_\_\_\_ NONE OF THE ABOVE APPLIES. A DETAILED EXPLANATION AND JUSTIFICATION FOR THIS SOLE SOURCE REQUEST IS CONTAINED IN ATTACHED MEMORANDUM.

The undersigned requests commodities and services to be procured from the vendor identified as the sole/single source supplier of the service or material described in this sole/single source justification and is authorized as a sole/single source for the service or material.

*Victoria Maryatt*  
\_\_\_\_\_  
AUTHORIZED SIGNATURE – Dean/Department                      DATE \_\_\_\_\_

\_\_\_\_\_  
AUTHORIZED SIGNATURE – VPA/BSO                      DATE \_\_\_\_\_

SOLE/SINGLE SOURCE AUTHORIZATION:  
**(PURCHASING USE ONLY)**

☐ **APPROVED**

☐ **DISAPPROVED**

By: \_\_\_\_\_ Date: \_\_\_\_\_ **Guidelines Div. #: \_\_\_\_\_**





September 1st, 2020

Amplifyus (DBA miniPCR)  
1770 Massachusetts Avenue  
Suite 167  
Cambridge, MA 02140  
United States of America

Re.: miniPCR Sole Source

To Whom It May Concern:

This letter is to confirm that the P51™ - Molecular Fluorescence Viewer, blueGel™ Electrophoresis, miniPCR Starter Classroom Pack, miniPCR DNA Discovery System, Lab in a Box™, miniPCR Premium Classroom Pack, miniPCR Biotech Classroom Pack, Lab Companion Kit, and miniPCR Learning Labs™ are sole source products, developed, sold and distributed exclusively by Amplifyus. No division of Amplifyus, nor any other company, makes a similar or competing product. These products must be purchased directly by institutions from Amplifyus at the address listed above. There are no agents or dealers authorized to represent these products.

If you desire additional information, don't hesitate to contact me at (781) 990-8727 at any time or visit our website at [www.minipcr.com](http://www.minipcr.com).

Thank you for your interest in our products.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sebastian Kraves', with a large, stylized loop at the end.

Sebastian Kraves  
Co-founder and Managing Partner



*"We want to inspire that curiosity, that raw passion for science, [the miniPCR] really meets all of our needs and then some."*

**Sara Shayesteh, High School Biology Teacher, South San Francisco Unified School District**

### miniPCR™: Bringing Real-World STEM Experiences to the Classroom

Sara Shayesteh was enjoying the time she'd spent so far as a high school teacher in the South San Francisco Unified School District (SSFUSD), but as the years passed she'd noticed something that worried her. The teens in her biology class at El Camino High School regularly performed labs that included building models of organic molecules or dissecting a frog—all part of the state curriculum. But those activities bore little resemblance to the kind of biology that occurs in industry and academia today, and Shayesteh was concerned that her students were losing their passion for science.

Just as these thoughts were beginning to materialize, however, Shayesteh and SSFUSD received a proposal from Genentech. The biotech giant, almost as if to address Shayesteh's concerns, sought to revitalize science education by bringing real-world STEM experiences to the classroom at the elementary, middle, and high school levels—and it wanted her to kick off the program in SSFUSD high schools by designing a curriculum for a biotechnology unit to be taught in ninth grade biology classes.



Pleased to oblige, Shayesteh turned to her prior experience as a researcher to decide which technologies to include in the unit, eventually settling on PCR and gel electrophoresis based on the dual criteria of simplicity and workplace relevance. But she envisioned more for her students than what the standard research PCR machine, a 96-well thermal cycler, could give them. She wanted each student to be able to touch the machine, program it, learn how it worked—something that wouldn't be possible with thirty students working out of one complicated device. But at first she saw no alternative.

Fortunately, it was then that Shayesteh heard from a colleague working on a similar program in nearby San Mateo of a portable thermal cycler produced by biotech startup Amplyus. The miniPCR, as the company called it, retailed for just a fraction of the cost of a traditional machine, had a user-friendly interface and software, produced reliable results, and was durable enough to survive repeated handling from students.

It was a revelation for Shayesteh. Seeing an opportunity for every student in her classroom to experience PCR in a hands-on way, she quickly purchased—at the same cost of a single bench-top machine—enough miniPCRs for students to operate them in small groups. Before long, the biotech unit was in full swing, and students were using the devices in the classroom in conjunction with reagents and protocols derived from Amplyus' narrative-driven Learning Labs.

The experiments, Shayesteh says, have been a runaway success: the students love visualizing the science they've learned and are particularly thrilled about being able to handle the machines themselves. "Up until now we've only been able to lecture. We've never had the...opportunity to create something hands-on,"

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she says. "So this has really been a fantastic opportunity for our students, [who] had no idea what biotech even was and are now more exposed to the field and the careers available to them."

Indeed, though her students themselves may not know it yet, Shayesteh recognizes how important it is that they are interacting with biology in much the same way they would in the "real world." It's through these means, she says, that they will be able to develop an interest and an involvement in STEM. "We want to inspire that curiosity, that raw passion for science," she says. "[The miniPCR] really meets all of our needs and then some."

– Victoria Lin

## About miniPCR™

miniPCR™ is a groundbreaking miniaturized thermal cycler offering fully-featured PCR performance for a fraction of the price.

- **Powerful:** miniPCR thermal cyclers deliver high-end performance.
- **Simple:** Our unique, easy to use, software interface allows users to control and visualize their PCR reactions from their Windows, Mac or Android devices. Students can follow experiments in real time, analyze, and understand the data.
- **Engaging:** The transparent design allows students to engage with the technology on an intimate level, eliminating the "black box" effect.
- **Open:** miniPCR is fully compatible with standard PCR tubes and reagents, making it ready for any classroom curriculum.



Feature	Specification
Sample format	8 x 0.2ml PCR tubes (strip compatible)
<b>Max heating ramp rate</b>	3.2°C / sec
<b>Heated lid</b>	Independent lid heater up to 120°C with PID control
<b>Max cooling ramp rate</b>	2.2°C / sec
<b>Program sharing and backup</b>	Unlimited libraries, .pdf file format
<b>Temperature control</b>	Resistive heating; forced air cooling
<b>Control system</b>	Embedded thermistors and PID algorithm
<b>Temperature range</b>	20°C – 99°C
<b>Operating range</b>	9°C to 40°C ambient temp.
<b>Dimensions</b>	2" x 5" x 4"
<b>Power supply</b>	AC 100-240V, 50-60hz, 70W
<b>Battery operation</b>	4h – 6h uninterrupted run time on Li-Ion battery

miniPCR is based at the Harvard Launch Lab, an incubator for innovative companies run by Harvard University alumni based in Boston, Massachusetts.

The miniPCR team of molecular biologists, engineers, and educators is dedicated to miniPCR's mission of making science accessible to everyone, everywhere

To learn more please visit our website [www.minipcr.com](http://www.minipcr.com) or email us: [team@minipcr.com](mailto:team@minipcr.com)

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