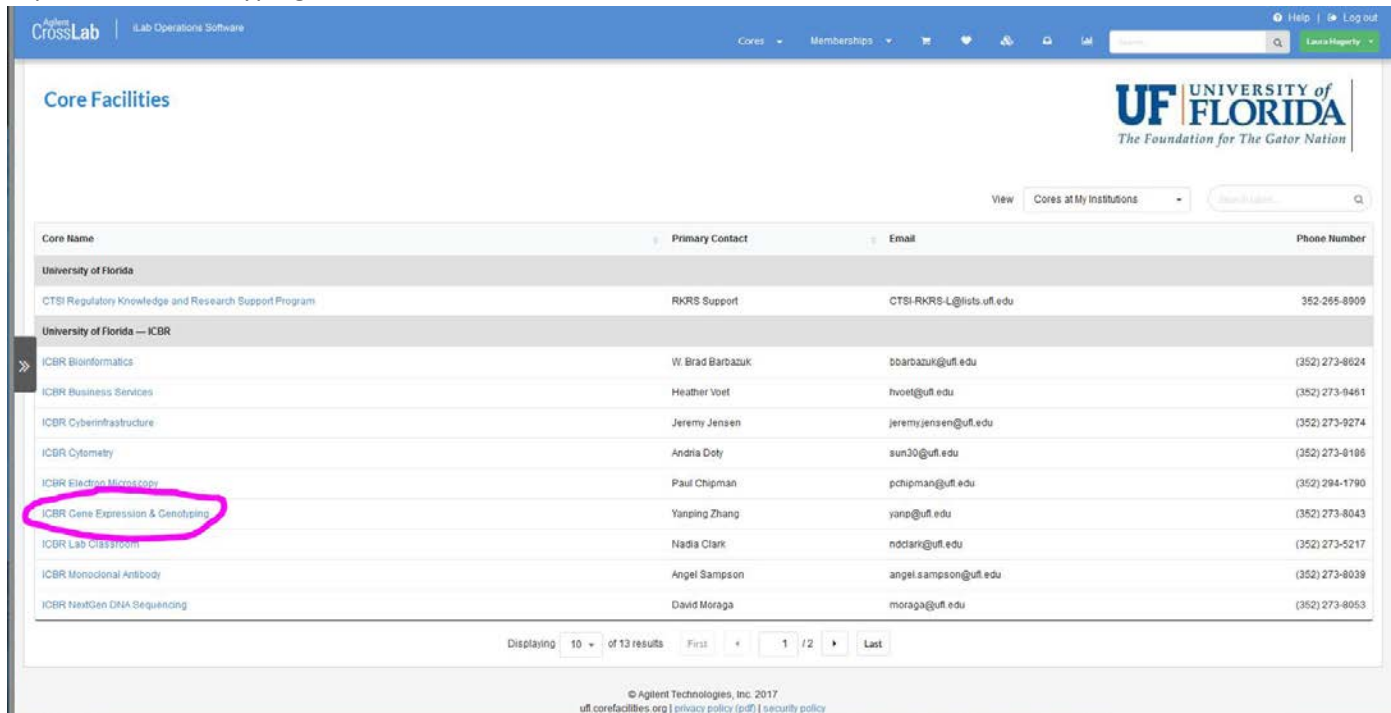


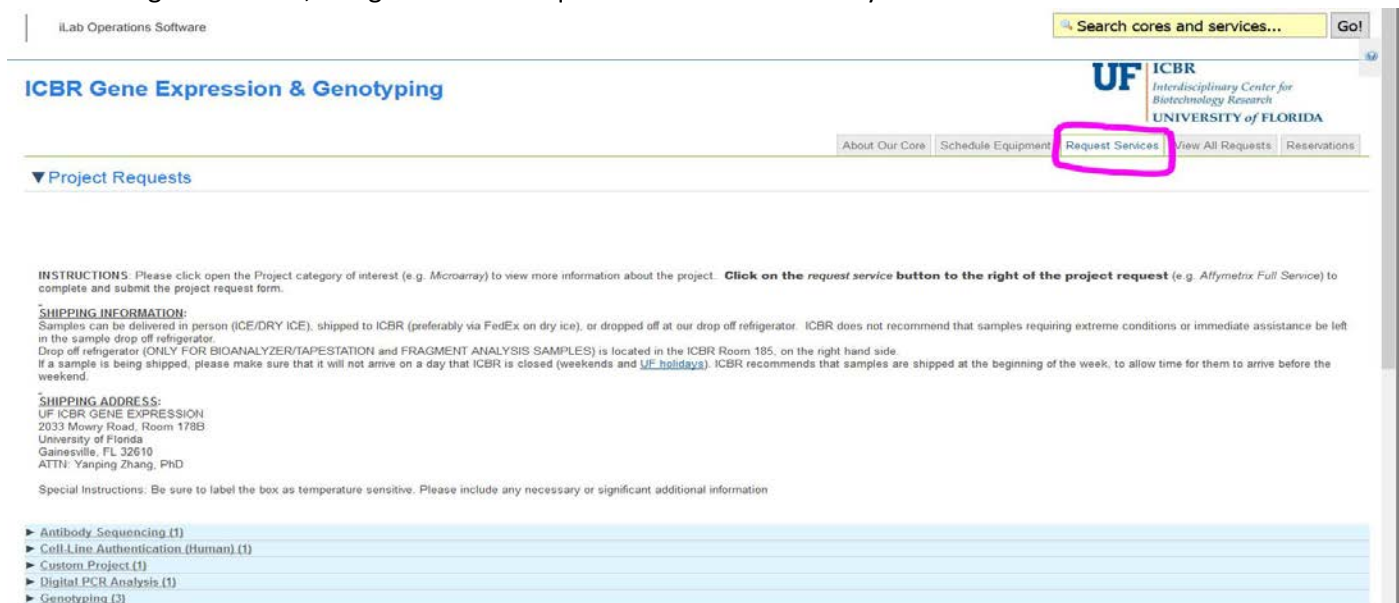
Requested Project: Cell Line Authentication

1. After creating an account and logging in, navigate to our core by clicking “list all cores”, then selecting ICBR Gene Expression & Genotyping.



Core Name	Primary Contact	Email	Phone Number
University of Florida			
CTSI Regulatory Knowledge and Research Support Program	RKRS Support	CTSI-RKRS-L@lists.ufl.edu	352-265-8009
University of Florida — ICBR			
ICBR Bioinformatics	W. Brad Barabazuk	bbarabazuk@ufl.edu	(352) 273-8024
ICBR Business Services	Heather Voelt	hvoelt@ufl.edu	(352) 273-9461
ICBR Cyberinfrastructure	Jeremy Jensen	jeremyjensen@ufl.edu	(352) 273-9274
ICBR Cytometry	Andria Doty	andria@ufl.edu	(352) 273-8186
ICBR Electron Microscopy	Paul Chipman	pchipman@ufl.edu	(352) 294-1790
ICBR Gene Expression & Genotyping	Yanping Zhang	yanp@ufl.edu	(352) 273-8043
ICBR Lab Classroom	Nadia Clark	ndclark@ufl.edu	(352) 273-5217
ICBR Monoclonal Antibody	Angel Sampson	angel.sampson@ufl.edu	(352) 273-8039
ICBR NextGen DNA Sequencing	David Moraga	moraga@ufl.edu	(352) 273-8053

2. After clicking on the core, navigate to the “Request Services” tab where you will see a list of our services offered.



ICBR Gene Expression & Genotyping

Search cores and services... Go!

About Our Core | Schedule Equipment | **Request Services** | View All Requests | Reservations

▼ Project Requests

INSTRUCTIONS: Please click open the Project category of interest (e.g. Microarray) to view more information about the project. **Click on the request service button to the right of the project request** (e.g. Affymetrix Full Service) to complete and submit the project request form.

SHIPPING INFORMATION:
 Samples can be delivered in person (ICE/DRY ICE), shipped to ICBR (preferably via FedEx on dry ice), or dropped off at our drop off refrigerator. ICBR does not recommend that samples requiring extreme conditions or immediate assistance be left in the sample drop off refrigerator.
 Drop off refrigerator (ONLY FOR BIOANALYZER/TAPESTATION and FRAGMENT ANALYSIS SAMPLES) is located in the ICBR Room 185, on the right hand side.
 If a sample is being shipped, please make sure that it will not arrive on a day that ICBR is closed (weekends and [UFL holidays](#)). ICBR recommends that samples be shipped at the beginning of the week, to allow time for them to arrive before the weekend.

SHIPPING ADDRESS:
 UF ICBR GENE EXPRESSION
 2033 Mowry Road, Room 178B
 University of Florida
 Gainesville, FL 32610
 ATTN: Yanping Zhang, PhD

Special Instructions: Be sure to label the box as temperature sensitive. Please include any necessary or significant additional information

- ▶ Antibody Sequencing (1)
- ▶ Cell Line Authentication (Human) (1)
- ▶ Custom Project (1)
- ▶ Digital PCR Analysis (1)
- ▶ Genotyping (3)

3. Scroll to the category of the project you want, and click the triangle to drop down more information. Select “Initiate Request” after reviewing the description and ensuring this is the correct project.

▼ Project Requests

INSTRUCTIONS: Please click open the Project category of interest (e.g. *Microarray*) to view more information about the project. **Click on the request service button to the right of the project request** (e.g. *Affymetrix Full Service*) to complete and submit the project request form.

SHIPPING INFORMATION:

Samples can be delivered in person (ICE/DRY ICE), shipped to ICBR (preferably via FedEx on dry ice), or dropped off at our drop off refrigerator. ICBR does not recommend that samples requiring extreme conditions or immediate assistance be left in the sample drop off refrigerator.

Drop off refrigerator (ONLY FOR BIOANALYZER/TAPESTATION and FRAGMENT ANALYSIS SAMPLES) is located in the ICBR Room 185, on the right hand side.

If a sample is being shipped, please make sure that it will not arrive on a day that ICBR is closed (weekends and [UF holidays](#)). ICBR recommends that samples are shipped at the beginning of the week, to allow time for them to arrive before the weekend.

SHIPPING ADDRESS:

UF ICBR GENE EXPRESSION

2033 Mowry Road, Room 178B

University of Florida

Gainesville, FL 32610

ATTN: Yanping Zhang, PhD

Special Instructions: Be sure to label the box as temperature sensitive. Please include any necessary or significant additional information

► **Autoregulatory Expression (4)**▼ **Cell-Line Authentication (Human) (1)****Cell-Line Authentication (Human) (Cell-Line Authentication (Human))** initiate request

This assay* works only with human cell-lines. Submit 5 X 10⁵ cells in a 100ul 1XPBS on ice or -200C frozen. Cell-line will be authenticated using GenePrint® 10 System from Promega. The GenePrint® 10 System allows co-amplification of repeat regions of nine short tandem repeat human loci, including the ASN-0002 loci (TH01, TPOX, vWA, Amelogenin, CSF1PO, D16S539, D7S820, D13S317 and D5S818) as well as D21S11. Data will be analyzed using GeneMapper® v4.0 software and a Genotype report of your sample with number of repeats for each marker listed will be generated.

*The assay will not detect very low level of contaminants.

► **Custom Project (1)**► **Digital PCR Analysis (1)**► **Genotyping (3)**► **Microarray (4)**► **RNA DNA QC (3)**► **RNASeq & NextGen Related Services (1)**► **Sample Prep (1)**

4. Type your name into the search bar, your institution/lab should appear as well. Select it and click "Proceed."

5. Fill out the details of this form, and fill in the worksheet with your sample names and ATCC reference numbers so we can match them. Do not worry about the request name ICBR-GE-[CID], this will auto-complete upon submission.

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Cell-Line Authentication (Human)

Request Name:

Customer: Laura Hagerty Lab: ICBR Gene Expression & Genotyping Core (UF) Lab
Email: laura.hagerty@ufl.edu Phone: (352) 273-8055

Labels

1) Forms and Request Details

View Form Cell-Line Authentication Form Visible Not Started Save Progress

Cell-Line Authentication Assay Requirements, Methods and Analysis

Dry Cell Pellets:
This assay works only with human cell-lines. Submit 5 X 10⁵ cells in a 100ul 1XPBS on ice or -200C frozen.

Methods:

1. Cell-line will be authenticated using GenePrint 10 System from Promega.
2. The GenePrint® 10 System allows co-amplification of repeat regions of nine short tandem repeat human loci, including the ASN-0002 loci (TH01, TPOX, vWA, Amelogenin, CSF1PO, D16S539, D7S820, D13S317 and D5S818) as well as D21S11.
3. The samples will be processed on ABI 3130XL Genome Analyzer.
4. Data will be analyzed using GeneMapper® v4.0 software.
5. Positive and negative controls will be run.

*The assay will not detect very low level of contaminants.

Data Analysis:

1. You will receive a Genotype report of your sample with number of repeats for each marker listed.
2. If you expect your cell-line to be present in ATCC database then you can provide ATCC product number and we can provide you the list of ATCC-determined STR profile.
3. An 80% match or greater indicates that the cells in question are from the same donor as the reference cells.
4. If the cells in question have less than an 80% match it could indicate cell line contamination or misidentification (Capes-Davis, 2012).

★ Number of Samples:

▼ Sample Information Grid

Sample Name	Sample ID	ATCC Reference	Sample Type (pellet or gDNA)	Comments
1				
2				
3				
4				
5				
6				
7				

6. Save your form if you have finished it, or save a draft to come back to later. Input your payment information, using the account that you would like to project billed to. When you are finished, either submit the request to our core, or save a draft if it is not complete.

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About Our Core Schedule Equipment Request Services View All Requests Reservations

Please save your form!

Schedule Consultation description: click to edit note: click to edit Not Started

Receive Sample(s) description: click to edit note: click to edit Not Started

Capillary Run description: click to edit note: click to edit Not Started

Deliver Raw Data description: click to edit note: click to edit Not Started

You have no issued vouchers to apply.
add service add charge add form add milestones change order add event
Build a quote, or add components to a new or running request using the 'add' links above.

2) Cost

Please provide the customer with a final quote for this request. The quote will be based on the services and charges you have added above and any "buffer" you have added. The "buffer" amount is for services or charges that you have not yet defined but that you expect to arise during the course of the request.

Add value or percent buffer:
as percentage amount: 0 %

Quote (total predicted cost):
\$0.00 (automatic total of any services, charges or buffer added to this request)

3) Payment Information

Please enter the UF Chartfield

enter additional payments information

Skip approval? ☐

© Agilent Technologies, Inc. 2017
call: 800.451.9393 web: www.palco.info email: palco@palco.com

7. You are now finished, and should receive an email from no-reply@ilabsolutions.com with a copy of your form and a GE-ID number which we will use to track your project. Please print the form and bring it with you when you deliver your samples.
8. Drop off your samples and form with GE-ID to ICBR Gene Expression & Genotyping Core, located in CGRC Room 178B. If you are shipping your samples, please be sure to include your name, your institution/lab, and GE-ID. We recommend sending temperature-sensitive samples on dry ice. Please clearly address the package as follows:

UF ICBR GENE EXPRESSION
2033 Mowry Road, Room 178B
University of Florida
Gainesville, FL 32610
ATTN: Yanping Zhang, PhD

If you have any additional questions, please feel free to contact our core at (352)-273-8036, or email us at ICBR-GeneExpression@ad.ufl.edu. Thank you!