

## New Lab Start Up Guide

In this guide, we will provide an easy checklist to help you get what you want.  
Please fill this out, save it and then email to [tech@midsci.com](mailto:tech@midsci.com).  
Within a short period we can have a quote and available promos back to you.



- ◆ Contact Name: \_\_\_\_\_
- ◆ Phone Number: \_\_\_\_\_
- ◆ Email: \_\_\_\_\_
  
- ◆ Purchasing contact name: *(If different from above)* \_\_\_\_\_
- ◆ Phone Number: \_\_\_\_\_
- ◆ Email: \_\_\_\_\_
  
- ◆ Institution/Company: \_\_\_\_\_
- ◆ Mailing Address: \_\_\_\_\_
- ◆ Building and Room #: \_\_\_\_\_

Large Enough to Deliver, Small Enough to Care

## **Welcome to our New Lab Start-Up guide!**

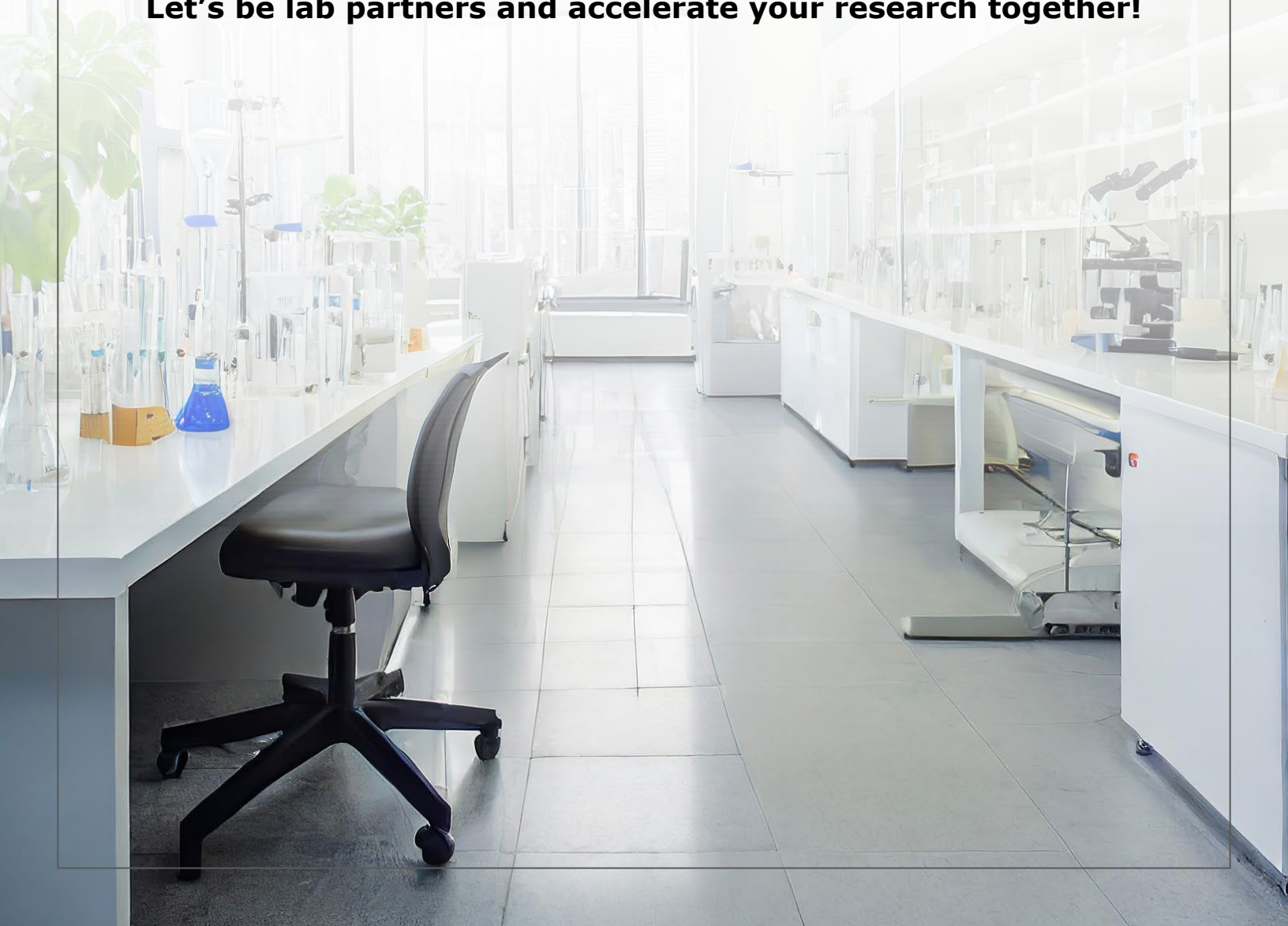
As a newly formed lab, we understand that you have a lot on your plate. That's why we're here to help you set up your lab quickly and efficiently so that you can focus on your research.

Our team will work closely with you to determine your specific needs and help you achieve your laboratory and productivity goals. Whether you're looking for innovative laboratory design or seeking to optimize scientific operations and workflows, our experts are ready to assist you with the products and services you need.

We offer a wide range of high-quality products that are trusted by professionals in the industry. We also provide exclusive savings that are specially tailored for you.

If you're starting a new lab, renovating, expanding, moving to a new location, or receiving your first research grant or funding, we are here to help you every step of the way.

**Let's be lab partners and accelerate your research together!**



## Autoclaves & Sterilization

check all that apply

### How large of an autoclave do you need?

- Benchtop (one at a time) for small things like scalpels and forceps
- Benchtop and small for things like scalpels and forceps
- 8 L Steam
- 16 L Steam
- 28 L Steam
- > 28 L, please specify. \_\_\_\_\_

### Do you want to have printing capabilities?

- Yes
- No



## Balances

check all that apply

### What is the minimum value that the balance needs to display and the maximum capacity?

#### Minimum Value

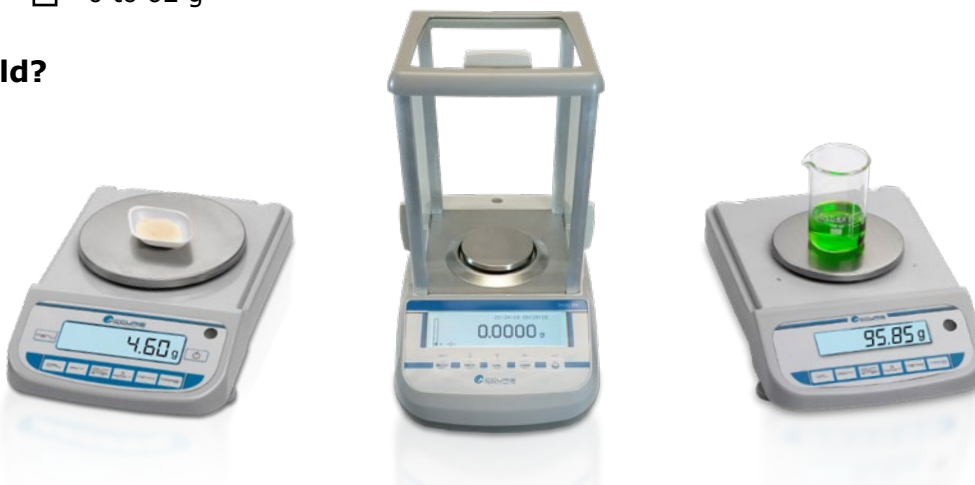
- 0.1 g
- 0.01 g
- 0.001 g
- 0.0001 g
- 0.00001 g

#### Max Capacity

- |                                     |                                      |                                      |                                      |
|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> 0 to 500 g | <input type="checkbox"/> 0 to 1200 g | <input type="checkbox"/> 0 to 3200 g | <input type="checkbox"/> 0 to 5000 g |
| <input type="checkbox"/> 0 to 100 g | <input type="checkbox"/> 0 to 300 g  | <input type="checkbox"/> 0 to 500 g  | <input type="checkbox"/> 0 to 1200 g |
| <input type="checkbox"/> 0 to 120 g | <input type="checkbox"/> 0 to 320 g  | <input type="checkbox"/> 0 to 500 g  |                                      |
| <input type="checkbox"/> 0 to 120 g | <input type="checkbox"/> 0 to 220 g  |                                      |                                      |
| <input type="checkbox"/> 0 to 62 g  |                                      |                                      |                                      |

### Do you need a shield?

- Yes
- No



## Baths (Dry)

check all that apply

What are you heating and how many?

Volume/Kind of Vessel

Max # of Vessels to Run at One Time

- |   |                                  |                                   |                               |
|---|----------------------------------|-----------------------------------|-------------------------------|
| <input type="checkbox"/> 0.2 mL           | <input type="checkbox"/> 1 to 24 | <input type="checkbox"/> 25 to 96 |                               |
| <input type="checkbox"/> 0.5 mL           | <input type="checkbox"/> 1 to 24 | <input type="checkbox"/> > 24     |                               |
| <input type="checkbox"/> 1.5 mL           | <input type="checkbox"/> 1 to 15 | <input type="checkbox"/> 16 to 32 | <input type="checkbox"/> > 32 |
| <input type="checkbox"/> 2 mL             | <input type="checkbox"/> 1 to 15 | <input type="checkbox"/> 16 to 32 | <input type="checkbox"/> > 32 |
| <input type="checkbox"/> 5 mL             | <input type="checkbox"/> 1 to 10 | <input type="checkbox"/> 11 to 20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 15 mL            | <input type="checkbox"/> 1 to 4  | <input type="checkbox"/> 5 to 10  | <input type="checkbox"/> > 10 |
| <input type="checkbox"/> 50 mL            | <input type="checkbox"/> 1 to 2  | <input type="checkbox"/> 2 to 4   | <input type="checkbox"/> > 4  |
| <input type="checkbox"/> Culture Tubes    | <input type="checkbox"/> 1 to 15 | <input type="checkbox"/> 16 to 32 | <input type="checkbox"/> > 32 |
| <input type="checkbox"/> Slides           | <input type="checkbox"/> 1       | <input type="checkbox"/> 2        | <input type="checkbox"/> > 3  |
| <input type="checkbox"/> PCR Plates       | <input type="checkbox"/> 1       | <input type="checkbox"/> 2        | <input type="checkbox"/> > 3  |
| <input type="checkbox"/> Microtiter plate | <input type="checkbox"/> 1       | <input type="checkbox"/> 2        | <input type="checkbox"/> > 3  |



Do you prefer a specific brand? Please specify.

## Baths (Water)

check all that apply

How many liters do you want the bath to hold?

- |                              |                               |                               |                                 |
|------------------------------|-------------------------------|-------------------------------|---------------------------------|
| <input type="checkbox"/> 2 L | <input type="checkbox"/> 8 L  | <input type="checkbox"/> 16 L | <input type="checkbox"/> > 16 L |
| <input type="checkbox"/> 4 L | <input type="checkbox"/> 12 L | <input type="checkbox"/> 10 L |                                 |

What kind of water bath do you need?

- No Motion       Shaking       Circulating



## Biochemicals

check all that apply

What Biochemicals will you need?

- Antibiotics  
 Biological Buffers  
 Enzyme Substrates  
 Dehydrated Culture Media  
 Biochemical Reagents



## Cell Counter

check all that apply

Will you require a cell counter?

- Yes                       No

If yes, check one:

- Automated                       Hemocytometer



## Cell Imager (live cell)

check all that apply

Will you do live cell imaging?

- Yes                       No

Would you prefer a microscope or system inside the incubator?

- In incubator                       Microscope



## Centrifuges (Mini)

check all that apply

What kind of tubes and how many?



**Volume/Kind of Vessel**

- Microtubes  
 PCR Tubes  
 PCR Plates  
 Plates (other)

**Max # of Vessels to Run at One Time**

- < 8                       > 8  
 < 16                       > 16  
 1                       > 2  
 1                       > 2

**Number of units needed?**

- 1 to 3  
 4 to 6  
 > 6

## Centrifuges (Micro)

check all that apply

**Temperature?**

- Ambient  
 Refrigerated

**Max number of tubes at one time?**

- 5 to 10  
 18  
 24  
 44

**Max speed?**

- < 16,000 xg  
 > 16,000 xg



## Centrifuge (MidSize)

check all that apply

What kind of tubes and how many?

### Volume/Kind of Vessel

- 0.5 to 5 mL
- 15 mL
- 50 mL
- 100 mL
- 250 mL
- 500 mL
- Culture Tubes
- Blood Tubes
- Plates

### Max # of Vessels to Run at One Time

- |                               |                                |                                |                               |
|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
| <input type="checkbox"/> 12   | <input type="checkbox"/> 24    | <input type="checkbox"/> 44    | <input type="checkbox"/> > 44 |
| <input type="checkbox"/> < 12 | <input type="checkbox"/> 13-20 | <input type="checkbox"/> 21-40 | <input type="checkbox"/> > 40 |
| <input type="checkbox"/> < 4  | <input type="checkbox"/> 5-15  | <input type="checkbox"/> 16-20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 2    | <input type="checkbox"/> 4     | <input type="checkbox"/> > 4   |                               |
| <input type="checkbox"/> 2    | <input type="checkbox"/> 4     | <input type="checkbox"/> > 4   |                               |
| <input type="checkbox"/> 2    | <input type="checkbox"/> 4     | <input type="checkbox"/> > 4   |                               |
| <input type="checkbox"/> < 12 | <input type="checkbox"/> 13-20 | <input type="checkbox"/> 21-40 | <input type="checkbox"/> > 40 |
| <input type="checkbox"/> < 12 | <input type="checkbox"/> 13-20 | <input type="checkbox"/> 21-40 | <input type="checkbox"/> > 40 |
| <input type="checkbox"/> 2    | <input type="checkbox"/> 4     | <input type="checkbox"/> > 4   |                               |

### Style of rotor

- Fixed angle       Swing out bucket

Please note that the rotor will dictate the max speed for the centrifuge. That information can be found on our website or we can provide it?

Do you want the max speed listed on the quote for each rotor we recommend?

- Yes       No

Temperature?       Ambient       Refrigerated



## Desk Chairs

check all that apply

Desk Chairs?       Yes       No

How many?       1-5       5-10       >10

Bench/Task Chairs?       Yes       No

How many?       1-5       5-10       >10



## Cryo Storage

check all that apply

What is the maximum # of 2 mL tubes you will store at one time?

- 0 to 180
- 0 to 750
- 0 to 3000
- 0 to 6000
- 10K
- 24K
- 30K
- 48K
- > 48K



Storing something besides 2 mL tubes?

- Blood Bags
- Other size tubes
- Straws
- Other

What accessories will you need?

- Roller base
- Liquid withdrawal device
- Gloves
- Measure device
- Alarm

## Electrophoresis

check all that apply

Horizontal?

- Yes
- No

Vertical?

- Precast
- Cast your own

Number of wells?

- 5 to 10 wells
- 10 to 20 wells
- > 20 wells

Number of wells?

- 5 to 10 wells
- 10 to 20 wells
- > 20 wells

Do you prefer something specific? Please specify.



## Electrophoresis Power Supplies

check all that apply

General purpose DNA gels?

- Yes
- No

Number of leads

- 2
- 4
- More

General purpose Protein gels?

- Yes
- No

Number of leads

- 2
- 4
- More



## Freezers (all manual defrost)

check all that apply

How low do you need the temperature to go and what size do you need?

- |                                |                                    |                                     |                                   |                                |                                   |
|--------------------------------|------------------------------------|-------------------------------------|-----------------------------------|--------------------------------|-----------------------------------|
| <input type="checkbox"/> -20°C | <input type="checkbox"/> 5 cuft    | <input type="checkbox"/> 10-20 cuft | <input type="checkbox"/> 20+ cuft | <input type="checkbox"/> Chest | <input type="checkbox"/> Vertical |
| <input type="checkbox"/> -25°C | <input type="checkbox"/> 5 cuft    | <input type="checkbox"/> 10-20 cuft | <input type="checkbox"/> 20+ cuft | <input type="checkbox"/> Chest | <input type="checkbox"/> Vertical |
| <input type="checkbox"/> -40°C | <input type="checkbox"/> 5 cuft    | <input type="checkbox"/> 10-20 cuft | <input type="checkbox"/> 20+ cuft | <input type="checkbox"/> Chest | <input type="checkbox"/> Vertical |
| <input type="checkbox"/> -80°C | <input type="checkbox"/> 1-10 cuft | <input type="checkbox"/> 10-20 cuft | <input type="checkbox"/> 20+ cuft | <input type="checkbox"/> Chest | <input type="checkbox"/> Vertical |



Do you need explosion or flame-proof?  Yes  No

Please rank these as priorities (1 is greatest priority, 4 is least).

- Performance  Cost  Storage capacity  Energy saving

## Gel Doc Systems

check all that apply

DNA  UV  White Light

Protein  Chemilumnesence  Flourescent

Estimate # of users?  1-5  6-10  > 10



## Homogenizer

check all that apply

What size tubes and how many at one time?

Volume/Kind of Vessel

Max # of Vessels to Run at One Time

- |  |  |                                  |                                  |                               |
|--|--|----------------------------------|----------------------------------|-------------------------------|
| <input type="checkbox"/> Microtubes    | <input type="checkbox"/> One at a time | <input type="checkbox"/> 1 to 3  | <input type="checkbox"/> 4 to 24 | <input type="checkbox"/> > 24 |
| <input type="checkbox"/> 5 mL          | <input type="checkbox"/> One at a time | <input type="checkbox"/> 2 to 12 | <input type="checkbox"/> > 12    |                               |
| <input type="checkbox"/> 15 mL         | <input type="checkbox"/> One at a time | <input type="checkbox"/> 1 to 3  | <input type="checkbox"/> 4 to 24 | <input type="checkbox"/> > 24 |
| <input type="checkbox"/> 50 mL         | <input type="checkbox"/> One at a time | <input type="checkbox"/> 2 to 8  | <input type="checkbox"/> 4 to 24 | <input type="checkbox"/> > 24 |
| <input type="checkbox"/> Culture Tubes | <input type="checkbox"/> One at a time |                                  |                                  |                               |

Handheld or multiple tube use?  Handheld  Multiple tubes at once

Temp required?  Ambient  Chilled



## Hoods

check all that apply

What kind of hood do you need and what size is the work area?

### Style of Hood

- Biosafety Cabinet for Cell Culture
- Fume Hood
- PCR Workstation
- Other

### Size of Work Area

- |                               |                               |                               |                                 |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| <input type="checkbox"/> 2 ft | <input type="checkbox"/> 4 ft | <input type="checkbox"/> 6 ft | <input type="checkbox"/> > 6 ft |
| <input type="checkbox"/> 2 ft | <input type="checkbox"/> 4 ft | <input type="checkbox"/> 6 ft | <input type="checkbox"/> > 6 ft |
| <input type="checkbox"/> 2 ft | <input type="checkbox"/> 4 ft | <input type="checkbox"/> 6 ft | <input type="checkbox"/> > 6 ft |
| <input type="checkbox"/> 2 ft | <input type="checkbox"/> 4 ft | <input type="checkbox"/> 6 ft | <input type="checkbox"/> > 6 ft |

Will your hood sit on the bench or do you want a stand?

- Bench                       Stand



## Hotplates, Stirrers and Hotplate

check all that apply

What do you need and what size is the platform?

- |  |                                 |                                 |
|--|---------------------------------|---------------------------------|
| <input type="checkbox"/> Hotplate        | <input type="checkbox"/> 7 x 7" | <input type="checkbox"/> Larger |
| <input type="checkbox"/> Stirrer         | <input type="checkbox"/> 7 x 7" | <input type="checkbox"/> Larger |
| <input type="checkbox"/> Hotplate Sirror | <input type="checkbox"/> 7 x 7" | <input type="checkbox"/> Larger |

Do you prefer something specific? Please specify.



## Incubators (general purpose)

check all that apply

What is the size and the temperature range?

### Size of Storage Chamber

- < 1 cuft
- < 5 cuft
- < 10 cuft
- < 20 cuft
- < 30 cuft
- > 30 cuft

### Temperature Max

- |                                 |                                  |                                  |
|---------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> < 70°C | <input type="checkbox"/> < 100°C | <input type="checkbox"/> > 100°C |
| <input type="checkbox"/> < 70°C | <input type="checkbox"/> < 100°C | <input type="checkbox"/> > 100°C |
| <input type="checkbox"/> < 70°C | <input type="checkbox"/> < 100°C | <input type="checkbox"/> > 100°C |
| <input type="checkbox"/> < 70°C | <input type="checkbox"/> < 100°C | <input type="checkbox"/> > 100°C |
| <input type="checkbox"/> < 70°C | <input type="checkbox"/> < 100°C | <input type="checkbox"/> > 100°C |

## Incubator (drosophila)

- Yes



## Incubator (CO<sub>2</sub>)

check all that apply

What size and kind do you need?

# of units needed	Stacked	Air Jacked	Water Jacked	Decontamination Mode
3 cuft _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 - 6 cuft _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
> 6 cuft _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Incubated Shakers

check all that apply

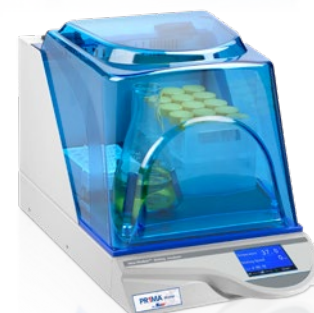
CO<sub>2</sub> Compatible?  Yes  No

Incubated Shaker for bacterial or fungal growth?  Yes  No

What vessels will you shake & the number of each?

Volume/Kind of Vessel      Max # of Vessels to Run at One Time

<input type="checkbox"/> 1.5 mL tube rack	<input type="checkbox"/> 1 to 10	<input type="checkbox"/> 11 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 15 mL tube rack	<input type="checkbox"/> 1 to 20	<input type="checkbox"/> 21 to 49	<input type="checkbox"/> > 50
<input type="checkbox"/> 50 mL tube rack	<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 6 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 250 mL tubes	<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 6 to 10	<input type="checkbox"/> > 10
<input type="checkbox"/> 500 mL tubes	<input type="checkbox"/> 1	<input type="checkbox"/> 2 or 3	<input type="checkbox"/> > 4
<input type="checkbox"/> Plates	<input type="checkbox"/> 1	<input type="checkbox"/> 2 or 3	<input type="checkbox"/> > 4
<input type="checkbox"/> 50 mL Erlenmeyer	<input type="checkbox"/> 1 to 10	<input type="checkbox"/> 11 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 125 mL Erlenmeyer	<input type="checkbox"/> 1 to 10	<input type="checkbox"/> 11 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 250 mL Erlenmeyer	<input type="checkbox"/> 1 to 10	<input type="checkbox"/> 11 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 500 mL Erlenmeyer	<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 6 to 15	<input type="checkbox"/> > 16
<input type="checkbox"/> 1 L Erlenmeyer	<input type="checkbox"/> 1 or 2	<input type="checkbox"/> 3 to 5	<input type="checkbox"/> > 5
<input type="checkbox"/> 2 L Erlenmeyer	<input type="checkbox"/> 1 or 2	<input type="checkbox"/> 3 to 5	<input type="checkbox"/> > 5



## Microplate Reader

check all that apply

Absorbance  Yes  No

Luminescence  Yes  No

Fluorescence  Yes  No

Do you prefer something specific? Please specify.



## Microplate Washer

check all that apply

### Wash bottles

- 1  
 2  
 3  
 >3

### Wash whole plate

- Yes  
 No

### Wash by individual rows

- Yes  
 No



## Microscopes

check all that apply

What will be the main use of the scope you are needing?

	Upright	Stereo	Inverted	Confocal
Cell Culture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dissection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Ovens

check all that apply

What size and kind do you need?

### Temperature Range Needed

### Kind of Oven

	Temperature Range Needed			Kind of Oven			
	Temp: 10 to 230°C	Temp: 231 to 300°C	Temp: > 300°C	Mechanical	Natural convection	Vacuum	Hybridization
< 1 cuft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
< 2 cuft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
< 5 cuft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
> 5 cuft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Thermal Cyclers & qPCR Machines

check all that apply

PCR and/or qPCR & # of samples run at one time?

	# of samples		
	24 or fewer	96	384
PCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
qPCR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If PCR, do you need Gradient?  Yes  No



## pH Meter

check all that apply

How will you use the pH meter?

- Field work   
  Molecular Benchtop   
  Other \_\_\_\_\_

## Pipettors

check all that apply

Single Channel	2 µL	10 µL	20 µL	100 µL	200 µL	1000 µL	5000 µL
<b>Manual</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Electronic</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8 Channel	10 µL	20 µL	50 µL	200 µL	300 µL		
<b>Manual</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Electronic</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12 Channel	10 µL	20 µL	50 µL	200 µL	300 µL		
<b>Manual</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Electronic</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
384 well pipettor		10 µL		50 µL			
<b>16 channel</b>		<input type="checkbox"/>		<input type="checkbox"/>			
<b>64 channel</b>		<input type="checkbox"/>		<input type="checkbox"/>			



## Pipet Controller

check all that apply

How long do you want the handheld?

- Standard Length   
  Long Neck

Do you want a standard unit or a unit that can aliquote volumes?

- Standard Variable Speed   
  Controlled aliquoting capability



## Pipettors (Repeat)

- Yes   
  No

## Refrigerator

check all that apply

What kind and size do you need?

	23 cuft	33 cuft	47 cuft	49 cuft	69 cuft
<b>Glass door standard</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Glass door chromatography</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sliding or swing door?  Sliding  Swing

**Solid door**  5 cuft  10-20 cuft  more than 20 cuft  
 Explosion or Flame-Proof



## Rockers

check all that apply

What kind do you need, size of platform and # of stacked platforms?

	2D (like a rocking chair)	3D (undulating)	Nutator
1 platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 stacked platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 or more stacked platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12 x 12" platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Larger platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Rotator

check all that apply

What kind and features do you need?

**Incubated?**  Fixed speed  Variable speed **Programmable?**  Fixed speed  Variable speed

What vessels will you rotate & the number of each?

Volume/Kind of Vessel	Max # of Vessels to Run at One Time		
<input type="checkbox"/> 1.5 mL tube rack	<input type="checkbox"/> 1 to 10	<input type="checkbox"/> 11 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> 15 mL tube rack	<input type="checkbox"/> 1 to 20	<input type="checkbox"/> 21 to 49	<input type="checkbox"/> > 50
<input type="checkbox"/> 50 mL tube rack	<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 6 to 20	<input type="checkbox"/> > 20
<input type="checkbox"/> Culture Tubes	<input type="checkbox"/> 1 to 20	<input type="checkbox"/> 21 to 49	<input type="checkbox"/> > 50
<input type="checkbox"/> Roller bottles	<input type="checkbox"/> 1 to 5	<input type="checkbox"/> 6 to 10	<input type="checkbox"/> > 10
<input type="checkbox"/> Plates	<input type="checkbox"/> 1	<input type="checkbox"/> 2 or 3	<input type="checkbox"/> > 4



## Shaker

check all that apply

**What speed to you need?**  0 - 100 rpm  101 - 300 rpm  301+ rpm

If you are looking for a temperature control shaker see "Incubated Shakers"

**CO<sub>2</sub> compatible?**  Yes  No

**What size of platform do you need?**  12x12"  Larger

**What vessels will you shake & the number of each?**

### Volume/Kind of Vessel

- Non-skid general purpose platform
- 1.5 mL tube rack
- 15 mL tube rack
- 50 mL tube rack
- 250 mL tubes
- 500 mL tubes
- Plates
- 50 mL Erlenmeyer
- 125 mL Erlenmeyer
- 250 mL Erlenmeyer
- 500 mL Erlenmeyer
- 1 L Erlenmeyer
- 2 L Erlenmeyer

### Max # of Vessels to Run at One Time

- |                                  |                                   |                               |
|----------------------------------|-----------------------------------|-------------------------------|
| <input type="checkbox"/> 1 to 10 | <input type="checkbox"/> 11 to 20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 1 to 20 | <input type="checkbox"/> 21 to 49 | <input type="checkbox"/> > 50 |
| <input type="checkbox"/> 1 to 5  | <input type="checkbox"/> 6 to 20  | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 1 to 5  | <input type="checkbox"/> 6 to 10  | <input type="checkbox"/> > 10 |
| <input type="checkbox"/> 1       | <input type="checkbox"/> 2 or 3   | <input type="checkbox"/> > 4  |
| <input type="checkbox"/> 1       | <input type="checkbox"/> 2 or 3   | <input type="checkbox"/> > 4  |
| <input type="checkbox"/> 1 to 10 | <input type="checkbox"/> 11 to 20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 1 to 10 | <input type="checkbox"/> 11 to 20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 1 to 10 | <input type="checkbox"/> 11 to 20 | <input type="checkbox"/> > 20 |
| <input type="checkbox"/> 1 to 5  | <input type="checkbox"/> 6 to 15  | <input type="checkbox"/> > 16 |
| <input type="checkbox"/> 1 or 2  | <input type="checkbox"/> 3 to 5   | <input type="checkbox"/> > 5  |
| <input type="checkbox"/> 1 or 2  | <input type="checkbox"/> 3 to 5   | <input type="checkbox"/> > 5  |



## Sonicator

check all that apply

Bath & Probe  Just Probe

## Spectrophotometers

check all that apply

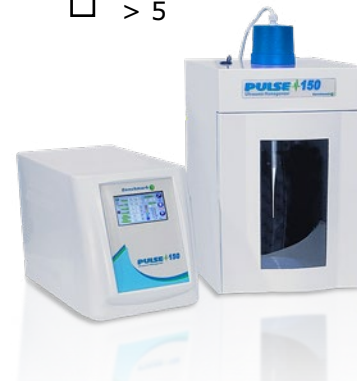
	Cuvette	Nano	Both
Single Sample	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple Samples	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UV-Vis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wavelength	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**What wavelength will you need?**

- 200 - 1,000 nm
- 100 - 1200 nm
- 400 - 1,000 nm
- Other

**Check all the processes that you will be testing for?**

- Nucleic Acid
- Protein UV
- Protein Assay
- Kinetics
- OD600
- Other Methods



## Transilluminators

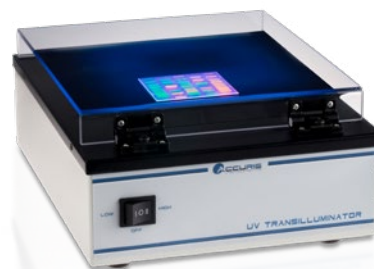
check all that apply

What is light source and the wavelength you need?

	254 nm	302 nm	365 nm
UV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
White Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What is the needed viewing surface size?

- ~15 x 15 cm     ~25 x 25 cm     ~30 x 40 cm



## Vortexer

check all that apply

What vessels will be vortexed & how many of each?

Volume/Kind of Vessel      Max # of Vessels to Run at One Time

<input type="checkbox"/> 1.5 mL tube rack	<input type="checkbox"/> 1	<input type="checkbox"/> 2 to 10	<input type="checkbox"/> > 10
<input type="checkbox"/> 15 mL tube rack	<input type="checkbox"/> 1	<input type="checkbox"/> 2 to 10	<input type="checkbox"/> > 10
<input type="checkbox"/> 50 mL tube rack	<input type="checkbox"/> 1	<input type="checkbox"/> 2 to 10	<input type="checkbox"/> > 10
<input type="checkbox"/> Plates	<input type="checkbox"/> 1	<input type="checkbox"/> 2 to 4	<input type="checkbox"/> > 4

Fixed or variable speed?     Fixed     Variable

Do you want it heated, heated & cooled, or no temp control?

- Heated     Heated & cooled     No temp control



## Water Purification

check all that apply

What is your feedwater source?

- RO/DI     City Tap water

What quality of water do you require?

- Type 1 (18.2MΩ)     Type 2 (> 1 MΩ)     Type 3 (RO)

How much water is used per day?

- < 10 liters     > 10 liters

Do you require RNase/DNase/pyrogen free water?

- Yes     No



**EXPERIMENTAL**

REFRIGERATOR PIPETTORS

**INCUBATOR**

# LABORATORY

UNIVERSITY

**MICROBIOLOGY**

BEAKER CHEMIST

MEASUREMENT

CHEM LAB BIOLOGY

**FREEZERS**

GEL DOC SYSTEMS

CENTRIFUGE  
WATER BATH

**EQUIPMENT**

SCIENTISTS

**EXPERIMENTS**

RESEARCHERS

NEUROSCIENCE

ROCKERS  
OVENS  
WATER PURIFICATION  
MICROSCOPES

Spectrophotometers

MICROPLATE WASHER

LAB SCIENTIFIC

CRYO STORAGE

BIO CHEMICALS

PIPET CONTROLLER

INCUBATED SHAKERS

RESEARCH

**INSTITUTE**

SAMPLES STUDY

WORKSHOP

HOTPLATES

STIRRERS

**PHYSICS**

SCIENCE EXPERIMENT

VORTEX MIXER

SHAKER

HOODS

BALANCES

TRANSILLUMINATORS

THERMAL CYCLERS & qPCR MACHINES

**MICROPLATE READER**

**HOMOGENIZER**