

# Equipment Needs

## Spring 2019

Talent is everywhere, but resources are not.

Seeding Labs' flagship program **Instrumental Access** gives talented scientists in developing countries access to lab equipment and supplies to catalyze their life-changing research.

**Can you help us meet the need of our 2019 Instrumental Access recipients?**

Your equipment can help brilliant scientists advance research and expand access to STEM education around the globe. Our most urgent needs are online at [seedinglabs.org/urgent](http://seedinglabs.org/urgent).

You can change the world with donations of new or gently-used equipment, including **but not limited to:**

### Microscopy

- Binocular microscopes
- Confocal microscopes
- Dissecting microscopes
- Inverted microscopes
- Microscope digital cameras
- Scanning transmission microscopes

### Genes & Proteins

- Electrophoresis systems & power supplies
- Electroporators
- Gel imager systems
- Sequencers
- PCR thermal cyclers
- Real-time PCR systems

### Chromatography & Mass Spectroscopy

- Gas chromatographs
- Gas chromatography mass spectrometers (GC-MS)
- High performance liquid chromatographs (HPLC)
- Ion chromatographs
- Liquid chromatography mass spectrometers (LCMS)

### Cell Growth & Handling

- Automated cell counters
- Bottle rollers
- Colony counters
- Flow cytometers
- Incubators: Dry bath

incubators, CO<sub>2</sub> incubators, tissue culture incubators

- Incubator shakers

### Measurement

- Analytical balances
- Digital multimeters
- Flurometers
- pH meters

### Spectroscopy

- Atomic absorption spectrometers
- FT-IR spectrometers
- Microplate readers
- UV-Vis spectrometers

## Laboratory Equipment

- Autoclaves
- Freezers, -20°C and -80°C
- Freeze dryers/lyophilizers
- Ice machines
- Ovens, muffle furnaces, & vacuum ovens
- Vacuum pumps
- Water deionizers & purification systems

## Sample Preparation & Manipulation

- Centrifuges: benchtop centrifuges, micro-centrifuges, ultracentrifuges
- Desiccators
- Fraction collectors
- Grinders
- Histology equipment
- Homogenizers
- Microplate washers

- Rotary evaporators
- Shakers & orbital shakers
- Vacufuges & vacuum concentrators



## Equipment Donation Checklist:

- ✓ Equipment is in good working condition
- ✓ Equipment has not been custom-made or altered
- ✓ Equipment is safe to handle (decontaminated)

## Ready to take the next step?

To donate equipment, please contact:

**David Qualter,**  
VP of Operations

*david@seedinglabs.org* or 617.500.3014. x3

*See our most urgently needed equipment at  
[seedinglabs.org/urgent](http://seedinglabs.org/urgent)*

## About Seeding Labs

Seeding Labs is dedicated to **strengthening science in developing countries** because the world can't afford to let scientific talent go to waste. We don't just focus on health, or food security, or energy and environment, or economic development—we **aim to transform them all.**

Through Instrumental Access, we put the tools of modern science in the hands of brilliant scientists worldwide. Instrumental Access enables research and discovery, teaching and learning, and institutional capacity-building that are essential to solving development challenges. Our scientists are working to **improve healthcare, adapt agricultural systems to climate change, and generate clean energy.**

As of April 2019, Seeding Labs has made **84 shipments** of donated laboratory equipment and supplies to **70 universities and institutions** in **34 countries.** Working with our corporate partners, these shipments have provided instruments worth more than **\$30 million**, enhancing the education of thousands of scientists and students around the globe.

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[www.SeedingLabs.org](http://www.SeedingLabs.org) @SeedingLabs

