

# Lawrence Berkeley National Laboratory

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### **Title**

JGI Lab Ergo Products Catalog

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# JGI Lab Ergo Products Catalog

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Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<b>Arm Supports/Padding</b>					
Wedge-Ease Ergonomic Forearm Supports 3" wedge 79597 2" Wedge 79598 Regular Stacker 79599 Mini Stacker 79600  Source: <a href="http://www.alimed.com/ProductDetail.asp?style=79597&amp;fprd=Wedge-Ease+Ergonomic+Forearm+Supports&amp;oid1=&amp;oid2=">http://www.alimed.com/ProductDetail.asp?style=79597&amp;fprd=Wedge-Ease+Ergonomic+Forearm+Supports&amp;oid1=&amp;oid2=</a>	Vinyl w/ nonslip base Four different sizes can be combined/stacked Also available in ESD Rated Fed Std. 209 and ISO14644 Clean Room Class 100 III		- Can be used to provide angled and flat forearm support and to protect against contact stress. Can be used in front of microscopes and to support forearms when doing precision tasks. Four styles available in sloped wedge or flat. Can be stacked.	Yes	Demo Room
Morency Forearm support for microscopes  Source: <a href="http://www.morencyrest.com/msm.htm">http://www.morencyrest.com/msm.htm</a> MSM-N-BL – 8" wide MSM-N-BL-T – 5" wide	8" wide and 5" wide versions. include a clamp the fits from 5/8 to 1 3/4 inch thick work surfaces. Adaptor available for thicker workstations		Angle-adjustable forearm support for microscope users	Yes	Demo Room
Deluxe Edge Rest 73075  Source: <a href="http://www.alimed.com/ProductDetail.asp?style=73075">http://www.alimed.com/ProductDetail.asp?style=73075</a> Ergomart Ergoworks	Attaches securely with self-adhesive hook and loop tabs. 1 1/8" thick expanded urethane Black. 22"L x 5"W Self-skinned foam surface wipes clean.		-Fits over top edge of table surface for protection from sharp edges	Yes	Demo Room
AliEdge™ Gel Edge Protector Part # 792307 Source: <a href="http://www.alimed.com">http://www.alimed.com</a>	Soft, completely sealed buffer between employees and hard, sharp edges. It makes any workplace safer and more comfortable. AliEdge Gel also functions as a convenient, ever-ready wrist or elbow rest		Can be folded and stacked for added height and support	Yes	Demo Room and Throughout JGI

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
	<p>to improve circulation and performance. Its thermoformed skin wipes clean and its inner gel will not leak, ooze, or evaporate. Attaches securely with two adhesive strips. Latex-free, antimicrobial, and antibacterial. 2-1/2"W top x 1-1/2" side x 24"L x 1/2" thick</p>				
<p>Smart Motion Forearm Pads Source: E-Pro Requisition contact Ron Kliet (707) 547-1700</p>	<ul style="list-style-type: none"> <li>- Leatherette Forearm rests</li> <li>- Packet of 2 each measure 9" x 12"</li> </ul>		<ul style="list-style-type: none"> <li>- Good for forearm support to reduce contact stress when using the keyboard/mouse pushed in on work surface</li> <li>- Can be used for single forearm support for mousing on Desktop...give the spare one to a friend</li> <li>- Pads have rigid backing that allow you to Velcro pads to desktop to over-sail surface edge for optimal positioning</li> </ul>	Yes	Demo Room
<p>Alimed Ulnar Gel Pads 78336  Source: <a href="http://www.alimed.com/ProductDetail.asp?style=78336&amp;fprd=AliMed%26reg%3B+Ulnar+Gel+Pads+and+Hand+Rest+Gel+Sleeves&amp;oid1=&amp;oid2=">http://www.alimed.com/ProductDetail.asp?style=78336&amp;fprd=AliMed%26reg%3B+Ulnar+Gel+Pads+and+Hand+Rest+Gel+Sleeves&amp;oid1=&amp;oid2=</a></p>	<p>Gel pads to place under elbow Sold in pairs</p>		<ul style="list-style-type: none"> <li>- Useful for pipetting and other high-precision tasks where the elbow rests on a hard surface</li> </ul>	Yes	Demo Room
<p>AliEdge Edge Protector, 3'L - 75841  AliEdge Edge Protector, 6'L - 75842 Source: <a href="http://www.alimed.com/ProductDetail.asp?style=75841&amp;fprd=AliEdge%26trade%3B&amp;oid1=&amp;oid2=">http://www.alimed.com/ProductDetail.asp?style=75841&amp;fprd=AliEdge%26trade%3B&amp;oid1=&amp;oid2=</a></p>	<p>Expanded polyethylene edge rest. A hook and loop fastener is included for easy attachment. Closed-cell foam wipes clean 36" long or 72" long x 3 1/2" wide, 1/2" thick. Overhang is 1 3/8" Also available for corners</p>		<ul style="list-style-type: none"> <li>- Edge rest.</li> </ul> <p>Can be used on the front edge of biosafety cabinets away from the downdraft</p>	No	





Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
SoftEdge Corners 75189/GREY/NA Source: <a href="http://www.alimed.com/ProductDetail.asp?style=75189">http://www.alimed.com/ProductDetail.asp?style=75189</a>	4/pk		Cover sharp corners. Can be used with Alliedge edge protectors	No	
Elbow protectors  Source: <a href="http://www.ncmedical.com/item_460.html">http://www.ncmedical.com/item_460.html</a>	Protect elbows. Comes in foam or gel padding. Remove gel pad from sleeve before machine washing. Sold in pairs. To size, measure circumference at elbow crease. If measurement falls in between sizes, order the larger size.		Can be used under a lab coat to protect elbows from contact / resting on a hard surface.	No	
Closed-cell foam to be used in sleeves above (cut to fit)  Source: <a href="http://www.softknees.com/softknees.html">http://www.softknees.com/softknees.html</a>	The "No Strap" design, lightweight molded pads provide comfort & support.		SoftKnees pads cut for elbows & forearm pads to fit inside sleeves above	Yes	Demo Room
Nuair Foam Elbow Pads Source: <a href="http://www.scientificvisions.com/catalog/product_info.php?cPath=32&amp;products_id=30">http://www.scientificvisions.com/catalog/product_info.php?cPath=32&amp;products_id=30</a>	Disposable white foam pad 3/16" closed cell foam Does not absorb liquid Package of 10 Self-stick adhesive tape		Easy to remove and replace foam elbow pads used to pad surface of biological safety cabinet to reduce soft tissue compression and discomfort.	No	
<b>Micromanipulation – De-Capping Devices</b>					





Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Decapitator 2 Source: Drummond Scientific Company <a href="http://www.pipetaid.com/pages/new/new04.html">http://www.pipetaid.com/pages/new/new04.html</a></p> <p>Contact: Chuck Locke 800-523-7480</p>	<p>Accommodates tube sizes from 0.2 mL to 2.2 mL Comes with a sturdy lab bench stand.</p>		<p>One-handed method for uncapping micro centrifuge tubes. The unit provides two slots into which the user can insert the appropriate sized tube cap. Once secured, a slight downward pressure opens the tube.</p>	<p>Yes</p>	<p>Cloning Tech</p>
<p>1x, 5x, 10x Gooseneck Mirror Zadro Double Vision Vanity Mirror</p> <p>Source: <a href="http://www.amazon.com/Zadro-Double-Vision-Vanity-Mirror/dp/B000NBBN1G/ref=sr_1_3?ie=UTF8&amp;s=hpc&amp;qid=1254513086&amp;sr=8-3">http://www.amazon.com/Zadro-Double-Vision-Vanity-Mirror/dp/B000NBBN1G/ref=sr_1_3?ie=UTF8&amp;s=hpc&amp;qid=1254513086&amp;sr=8-3</a></p>	<p>Various magnifications and various positioning adjustments</p>		<p>Allows someone working with tubes to see the contents of the tube without bending neck awkwardly</p>	<p>Yes</p>	<p>New Tech</p>



Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Mirror with light</p> <p>Source:  <a href="http://www.amazon.com/Tweezerman-6762-f-Tweezermate-Lighted-Mirror/dp/B000WHYALO/ref=sr_1_5?ie=UTF8&amp;s=hpc&amp;qid=1251220745&amp;sr=8-5">http://www.amazon.com/Tweezerman-6762-f-Tweezermate-Lighted-Mirror/dp/B000WHYALO/ref=sr_1_5?ie=UTF8&amp;s=hpc&amp;qid=1251220745&amp;sr=8-5</a>            Note : various styles available on Amazon</p>	<p>Small with suction cups and light</p>		<p>Utilize mirror when working with small tubes in order to prevent reaching tube above shoulder level or bending neck downwards to see the contents</p>	<p>No</p>	
<p>Microcentrifuge Tube Opener 199250001</p> <p>Source:  <a href="http://www.belart.com/shop/199250001-microcentrifuge-tube-opener-p-199250001.html?cpath=18_114&amp;oscsid=xogoeikoq">http://www.belart.com/shop/199250001-microcentrifuge-tube-opener-p-199250001.html?cpath=18_114&amp;oscsid=xogoeikoq</a></p>	<p>79mm (3 1/8") long            3 per bag            One end opens 1.5 to 2.2ml tubes            Forked blade on opposite end opens smaller sizes: 250m, 400m, and 550m tubes</p>		<p>Tube opener easily open all sizes of micro centrifuge tubes with just one hand.</p>	<p>No</p>	
<b>Openers (Jar and Packaging)</b>					
<p>Dycem Multi-Purpose Jar Openers  <a href="http://www.amazon.com/dp/B002BUKCV4/ref=asc_df_B002BUKCV4845487?smid=A2VSTQ09J8RDTA&amp;tag=dealt15484-20&amp;linkCode=asn">http://www.amazon.com/dp/B002BUKCV4/ref=asc_df_B002BUKCV4845487?smid=A2VSTQ09J8RDTA&amp;tag=dealt15484-20&amp;linkCode=asn</a></p>	<p>Non-slip plastic dome or sheet            Sheet diameter is 5 1/2"            Dome measures 2" high and 4 1/2" in diameter            1/8" thick            Latex free.</p>		<p>Facilitate removal of stubborn jar and bottle lids. Simply place nonslip plastic dome or sheet on lid, grasp tightly and twist.</p>	<p>Yes</p>	<p>Demo Room</p>




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Un-Skru Jar Opener  Source: <a href="http://www.dynamic-living.com/product/unskru-jar-opener">http://www.dynamic-living.com/product/unskru-jar-opener</a>	Must be attached to underside of cabinet base Can open jars using one hand		Wedge the jar lid firmly between the metal gripper post and the appropriate edge of the jar opener and twist. (The metal post can grip lids well because it has 'teeth'.) The white Un-Skru jar and bottle opener will open bottle caps and lids up to 4.75" in diameter.	Yes	Sequencing Chemistry
Progressive International Multi-Opener  Source: <a href="http://www.amazon.com/Progressive-GT-2950-International-Multi-Opener/dp/B0008D7GO2/ref=pd_sim_k_1">http://www.amazon.com/Progressive-GT-2950-International-Multi-Opener/dp/B0008D7GO2/ref=pd_sim_k_1</a>	Opens 6 different types of seals and lids Durable and comfortable grip It has a hidden blade that zips open bags		Jar and seal opener that can be used with a variety of seals, lids and bags.	Yes	Demo Room
Finger-Safe Sheet Cutters  Source:  McMaster Carr  <a href="http://www.mcmaster.com/#3221a3/=3yhqlx">http://www.mcmaster.com/#3221a3/=3yhqlx</a>	Blades are stored inside the handle of these cutters and away from your fingers. All have a fiber-reinforced plastic handle that easily opens with a screwdriver, except the single-blade economy cutter which has a plastic handle that snaps open.		Use to open plastic packaging instead of pulling apart with hands	Yes	Sanger Plating
<b>Micromanipulation Tools and Padding</b>					



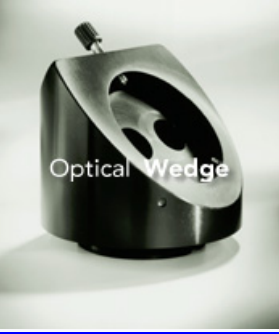




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Thermo-Pellets 1 # NC32511 for custom handles</p> <p>Source:  <a href="http://www.ncmedical.com/item_961.html">http://www.ncmedical.com/item_961.html</a></p>	<p>1 and 3 pound packages</p>		<p>Low-temperature thermoplastic pellets mold together quickly and easily to adapt handles, splints and equipment. The pellets can be used to build up handles. When heated to 140 degrees F (60 degree C), pellets soften quickly and can be formed into a mass that can be molded and remolded as needed. Heat in water, on a heating plate or in a microwave oven. The thermoplastic will stick to most porous surfaces.</p>	<p>No</p>	
<p>Precision hand tools with foam/molded grips</p> <p>Source:  <a href="http://excelta.com/marketplace/browse.asp?category=396">http://excelta.com/marketplace/browse.asp?category=396</a></p> <p><a href="http://www.timemotion.com/Products/Tweezer--5-SA-ET--Excelta-Tweezers_WAS-03-34021.aspx">http://www.timemotion.com/Products/Tweezer--5-SA-ET--Excelta-Tweezers_WAS-03-34021.aspx</a></p>	<p>Multiple styles of precision hand tools  Foam grips</p>		<p>Molded and foam grips for precision hand tools manufactured by Excelta. Other tool modifications available with bulk orders.</p>	<p>Yes</p>	<p>Demo Room</p>
<p>Low Force Forceps</p> <p>Source:  <a href="http://www.surgipath.com/us-en/Products/5-1-2-ergonomic-forceps">http://www.surgipath.com/us-en/Products/5-1-2-ergonomic-forceps</a></p>	<p>5 1/2" low force forceps  7" low force forceps</p>		<p>Reduces force required to hold specimens in forceps while processing.</p>	<p>No</p>	
<p>Dumont Medical Tweezers with Clamping Ring</p> <p>Source:  <a href="http://www.emsdiasum.com/microscopy/products/tweezers/dumont.aspx">http://www.emsdiasum.com/microscopy/products/tweezers/dumont.aspx</a></p>	<p>Variety of sizes  Clamping ring to lock in closed position</p>		<p>The clamping ring eliminates the need to apply constant finger pressure for gripping.</p>	<p>No</p>	


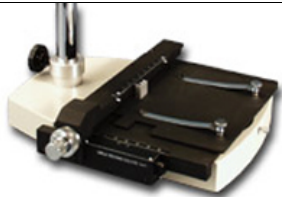


Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Snap cap micro tube opener  Source: <a href="http://www.bioexpress.com/index.html?wscdet_show=00000000450462000462250">http://www.bioexpress.com/index.html?wscdet_show=00000000450462000462250</a>	This handy microcentrifuge tube opener is the perfect tool for laboratories where microcentrifuge tubes are regularly used. Openers are manufactured from rugged polypropylene. These openers are almost indestructible and are designed to fit almost every microcentrifuge tube on the market.		Used for opening and closing small tubes. Reduces pressure on thumbs and fingers associated with opening and closing snap on tube caps.	Yes	Throughout JGI
Screw cap micro tube opener "Jimmy"  Source: <a href="http://www.gilson.com/en/Pipette/Products/53.239/">http://www.gilson.com/en/Pipette/Products/53.239/</a>	This ergonomic, hands-free microtube opener is your thumb's best friend. It fits your PIPETMAN® pipette perfectly and can open both snap-cap and screw-cap microtubes.		Allows for opening both screw top small tubes and snap on tubes. Eliminates the pinch grip.	Yes	Demo Room and New Tech
Amco Swing-A-Way 711BK Comfort Grip Jar Opener, Black  Source: <a href="http://www.amazon.com/dp/B000HMC5JA/ref=asc_df_B000HMC5JA927293?tag=the004-20&amp;creative=380333&amp;creativeASIN=B000HMC5JA&amp;linkCode=asn">http://www.amazon.com/dp/B000HMC5JA/ref=asc_df_B000HMC5JA927293?tag=the004-20&amp;creative=380333&amp;creativeASIN=B000HMC5JA&amp;linkCode=asn</a>	Adjustable to various sized lids		Provides leverage and mechanical advantage to open up tight lids	Yes	Throughout Sanger and New Technology
Negative-Action Style Tweezers (Self-Closing)  Source: <a href="http://www.emsdiasum.com/microscopy/products/tweezers/dumont.aspx">http://www.emsdiasum.com/microscopy/products/tweezers/dumont.aspx</a>	Variety of sizes Default position is closed rather than open		Negative-Action Style Tweezers (Self-Closing) eliminate the need to apply constant finger pressure for gripping.	No	

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<b>Storage Bins, Racks and Holders</b>					
Double Bin Storage SV-7014  Turntable NU-977-001  Source: <a href="http://www.scientificvisions.com/catalog/product_info.php?cPath=32&amp;product_s_id=37">http://www.scientificvisions.com/catalog/product_info.php?cPath=32&amp;product_s_id=37</a>  <a href="http://www.scientificvisions.com/catalog/default.php?cPath=26&amp;sort=2a&amp;page=3">http://www.scientificvisions.com/catalog/default.php?cPath=26&amp;sort=2a&amp;page=3</a>	Flip-top Lids Slide Resistant Rubber Feet Each Bin: 6" x 5" x 6"  100% Stainless Steel Autoclavable Easily Cleaned and Sterilized 12" Diameter Stainless Steel Ball Bearing Design		For Storing Microtubes, Pipet Tips or any Bulk Items Angled openings. Various styles available.  Stainless steel rotating table brings work closer to the user to decrease reaching and allows more efficient use of space. Can be used in biosafety cabinets.	No	
ML9970 Deluxe Rotating Organizers ML2117 Medium Step Shelf  Source: <a href="http://www.marketlabinc.com/products/details/332">http://www.marketlabinc.com/products/details/332</a>  <a href="http://www.marketlabinc.com/products/details/344">http://www.marketlabinc.com/products/details/344</a>	14"L x 13.5"W x 12.5"H Easy fingertip rotation for quick access to supplies Extra large capacity within a small 1 square foot footprint Built-in dispensers and compartments fit a wide variety of office and lab supplies Constructed of durable PVC 18"L x 6"W x 10"H Utilizes vertical space Designed to fit over gas and water outlets or other protrusions Cords and wire fit through space at lower back		Turntable organizer can be used in corners or shared workstations to reduce reach and optimize storage. Various styles available  Instant Step Shelves make use of vertical space, and keep items up and out of the way on wet surfaces.		
<b>Microscope Positioners/Adapters</b>					




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Positioning plates \$99.00  Source: <a href="http://www.marketlabinc.com/products/details/11">http://www.marketlabinc.com/products/details/11</a>	Solid construction with non-skid surface Weighted for stability Positioning Plate = 11.5"L x 8.5"W x 2"H Height adjustability between 2" to 2.75")	 <p>ML8350</p>	Good posture is critical when working at a microscope. The Microscope Positioning Plate allows you to adjust your scope's height from 2" to 2.75" by simply dialing the thumb wheels in the corners. The threaded leveling feet on the plate allow you to dial to an infinite number of heights and ergonomic positions.	No	
Point-O-Care Adjustable Microscope Base AF340  Source: <a href="http://www.medexsupply.com/products/pid-11810/PointOCareAdjustableMicroscope.htm">http://www.medexsupply.com/products/pid-11810/PointOCareAdjustableMicroscope.htm</a>	Large 14.5" x 8.5" powder coated steel plate will accept most all brands of microscope 2" of adjustment from 1" to 3" Infinite number of heights and angles by adjusting threaded leveling feet Non-skid feet		Perfect posture is just a knobs turn away with this adjustable microscope base. Raise and/or tilt your microscope into the ergonomic position you need.	No	
Microscope Stands  Source: <a href="http://www.microscopeworld.com/MSWorld/SearchResult.aspx?CategoryID=271&amp;qclid=COWquJmiwJsCFRFMagodmhqHAA">http://www.microscopeworld.com/MSWorld/SearchResult.aspx?CategoryID=271&amp;qclid=COWquJmiwJsCFRFMagodmhqHAA</a> <a href="http://www.professionalmicroscopes.com/microscope-stands.html">http://www.professionalmicroscopes.com/microscope-stands.html</a>	Available for variety of models and applications Adjustable height, tilt and horizontal positioning		Mounting brackets and stands used to position microscopes and microscope components to reduce eye and neck strain associated with prolonged microscope use.	No	
Scopease Microscope Support  Source: <a href="http://www.imebinc.com/Item/SC101.htm">www.imebinc.com/Item/SC101.htm</a>	System includes base unit, 2 armrests, 3 tilting bars Padded armrests Tilts microscope 3 models available		The Scopease system was designed to adjust the position of a variety of microscopes. The soft armrests are adjustable by removing 1" segments of the foam. The microscope can be tilted at any of 9 angles with the adjusting bars.	No	

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
ErgoAdapter  Source: <a href="http://www.bayoptical.com/ergoadapter.html">http://www.bayoptical.com/ergoadapter.html</a>	Simple locking knob adjusts microscope height High-precision, stainless steel, linear ball bearing Height adjustment range of +3/4" to +5 inches Can rotate 180° for left-or right-handed operation Optical and mechanical alignments constant at any position or inclination angle		ErgoAdapter inserts between microscope binocular head and optics carrier. When work surfaces are set at elbow height to facilitate hand operations, the ErgoAdapter allows users to set the microscope's eyepiece height to achieve a good ergonomic neutral posture. Adjustability eliminates raised shoulders and bent necks, which can cause discomfort.	No	
Extended Eyetube Binocular  Source: <a href="http://www.bayoptical.com/extendedeyetube.html">http://www.bayoptical.com/extendedeyetube.html</a>	90MM extension Available as a new item or as a retrofit of existing binocular head (depending on the binocular model) Can be combined with the ErgoAdapter and an Optical Wedge for greatly enhanced workstation flexibility		Extended Eyetube Binocular is an ergonomic device for use with quality stereomicroscopes. Its longer-than-standard eyetube length enables the microscope user to comfortably move back from the workstation, helping to relieve postural fatigue. Ideal for most microscopes, especially those used with machines, bonders, heated stages, solder stations, under hoods or anywhere operators are otherwise forced into a cramped viewing posture.	No	
Optical Wedge  Source: <a href="http://www.bayoptical.com/opticalwedge.html">http://www.bayoptical.com/opticalwedge.html</a>	Easily installed due to self-aligning flanges Offers a 0° or 90° in-line viewing angle Maintains parfocality and optical alignments at any inclination angle		Adds new flexibility to microscope workstations. 0°/90° Optical Wedge is positioned between the binocular head and the optics carrier. It complements existing 45° binoculars, providing two additional viewing angles. Costs less than half of a straight tube binocular and offers three times the flexibility.	No	



Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>ISIS Ergonomic Eyepiece</p> <p>Source:  <a href="http://www.optimaxonline.com/newsdetails.php?newsId=23">http://www.optimaxonline.com/newsdetails.php?newsId=23</a></p>	<p>Fits most brands of conventional binocular microscopes  Expanded-Pupil technology expands field of vision  Enables wearing of prescription spectacles  Eliminates direct contact with the eyepieces  Removes optical the disturbances known as mouches volantes (floaters)  Far less costly than replacing entire instrument</p>		<p>Vision Engineering's ISIS microscope eyepieces are patented 'Expanded-Pupil' eyepieces designed to replace the conventional eyepieces of well known, other brand instruments. ISIS increases radial and axial head freedom by at least 8 times that of conventional eyepieces and greatly improves the visibility of optical information across the entire field. A unique eye distance of 38mm allows glasses to be worn in complete comfort, with common weaknesses (long and short sight astigmatism) no longer affecting user efficiency. Designed to fit most microscopes with standard diameter eyepiece tubes (23mm or 30mm) and can be used with many microscopes, including Kyowa, Leica, Meiji, Motic, Nikon, Olympus, Wild, Zeiss.</p>	<p>Yes</p>	<p>R413</p>
<p>Fluorescent Ring Light System</p> <p>Source:  <a href="http://www.microscopeworld-professional.com/detail.aspx?ID=251">http://www.microscopeworld-professional.com/detail.aspx?ID=251</a></p>	<p>Your choice of 110v or 220v power supply  Inside diameter of ring is 60mm  Lamp life 1,500 hours  Color temperature 6500K</p>		<p>Lightweight, compact, and rugged, this ring illuminator provides 360 degrees of cool, white, shadow-free illumination. For use with EM Series stereo microscopes (adapter required).</p>	<p>No</p>	




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Microscope Video Systems</p> <p>Sources:  <a href="http://www.scientificdevice.com">www.scientificdevice.com</a>  <a href="http://www.usbdigitalmicroscope.com">www.usbdigitalmicroscope.com</a>  <a href="http://www.office-products.cn/trade/nanonist-2-0-mega-digital-microscope-eyepiece-11375">www.office-products.cn/trade/nanonist-2-0-mega-digital-microscope-eyepiece-11375</a>  <a href="http://www.microscopesfromnightengale.com">www.microscopesfromnightengale.com</a></p>	<p>Easy to attach to a microscope            Variety of magnifications available            Provides wider viewing area and increased working distance</p>		<p>Camera systems provide remote viewing of microscope image on computer monitor to eliminate awkward head and neck postures associated with viewing through an eyepiece.</p>	Yes	B400 room 416
<p>Meiji Graduated Mechanical Stage MA564</p> <p>Source:  <a href="http://www.microscopeworld-professional.com/detail.aspx?ID=65">http://www.microscopeworld-professional.com/detail.aspx?ID=65</a></p>	<p>Meiji MA564 graduated mechanical stage for Meiji EM series and Unimac microscopes</p>		<p>Graduated mechanical stage for Meiji microscope to reduce awkward reaches required to position lab tissues and cells for observation.</p>	No	
<b>Pipettes and Accessories</b>					
<p>Rainin Pipet Lite LTS</p> <p>Source: <a href="http://www.rainin.com">http://www.rainin.com</a></p>	<p>Reduces pipetting force by 70%            Magnetic assist locates and holds zero position            LTS tip ejection system reduces tip ejection force</p>		<p>Pipet Lite reduces total force by 70% .Magnetic assist helps locate and hold zero position for improved results. LTS® LiteTouch Tip Ejection for ultralight tip ejection. Reduces your risk of RSIs. Uses LTS® tips only</p>	Yes	Throughout JGI
<p>Rainin EDP3 Plus Advanced Electronic Pipette (Single and Multichannels available)</p> <p>Source:  <a href="http://www.rainin.com/products/product_list.asp?class=46">http://www.rainin.com/products/product_list.asp?class=46</a></p>	<p>Reduces pipetting force by 95%            Seven pipetting cycles            LTS tip ejection system reduces tip ejection force</p>		<p>Reduce pipetting forces by 95%. Advanced Ergonomic Pipette            Pipet, multidispense, titrate, dilute, volume sequence, GLP, and seven options.LTS® tips for ultralight tip ejection. Includes Li-Ion battery, 3000 cycles per charge. Order charging devices separately</p>	Yes	Cloning Tech, Plating r139







Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Biohit MLine pipette (Single and multichannel pipettes available)</p> <p>Source:  <a href="http://www.biohit.com/view/products.asp?document_id=1028">http://www.biohit.com/view/products.asp?document_id=1028</a></p>	<p>Low force            Light weight            Volume locking button            Patented <a href="#">Optiload</a> tip loading mechanism for perfect tip sealing and effortless tip ejection            Clear and easy-to-read display with big numbers and small increments            Volume range colour-coding for easy pipette selection and 5 colour-coding caps</p>		<p>Biohit mLINE is light weight and has a short length. It has an easy to read and adjust volume dial. Plunger depression and tip ejection forces are low.</p>	<p>Yes</p>	<p>Cloning Tech</p>
<p>BioHit eLine Electronic Pipettes (Single and multichannel available)</p> <p>Source:  <a href="http://www.biohit.com/view/products.asp?document_id=612">http://www.biohit.com/view/products.asp?document_id=612</a></p>	<p>High accuracy and precision with unique DC motor concept            Light tip ejection with the unique electronic tip ejection            Can be used with left or right hand            Patented <a href="#">Optiload mechanism</a> in multichannel models for perfect tip sealing            6 user defined pipetting protocols for easy recalls            Different charging options (charging stand, charging carousel and direct charging)</p>		<p>The fully electronic design of the Biohit eLine pipette and the electronic tip ejection system make pipetting faster and easier. The Biohit eLINE pipettes are available in single-channel models covering the volume range from 0.2 µl to 5000 µl and in 8- and 12-channel models from 0.2 µl to 1200 µl. The lower parts of the eLINE pipettors are autoclavable (excluding the multichannel 50-1200 µl pipettors).</p>	<p>Yes</p>	<p>New Tech</p>
<p>Vistalab Ovation Manual and Electronic Single and Multiple Channel Pipettes</p> <p>Source:  <a href="http://www.vistalab.com/OvationProductsMenu.asp">http://www.vistalab.com/OvationProductsMenu.asp</a></p>	<p>Low-force, form-fitting plunger manually controls aspiration and dispensing speeds with minimal effort            Light tip ejection force            Adjustable finger hook            Disposable battery</p>		<p>Unique design of Vistalab Ovation reduces shoulder elevation, wrist deviation and wrist flexion and extension.</p>	<p>Yes</p>	<p>New Tech</p>









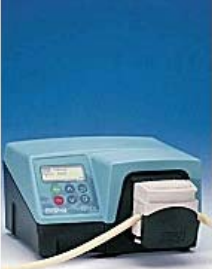
Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Pipette Carousels</p> <p>Source:  <a href="http://www.biohit.com/view/products.asp?document_id=1029&amp;cat_id=276">http://www.biohit.com/view/products.asp?document_id=1029&amp;cat_id=276</a></p> <p><a href="http://www.biohit.com/view/products.asp?document_id=1029&amp;cat_id=276">http://www.biohit.com/view/products.asp?document_id=1029&amp;cat_id=276</a></p>	<p>Carousel for 6 pipettes in a minimal space for storing all Research pipettes (single and multi-channel)</p> <p>Carousels available for variety of models of pipettes</p>		<p>The rotating pipette stand makes for an organized workplace. The new kind of attachment means that the pipette is no longer held at the bottom, ruling out potential contamination of a pipette by it being put on a stand.</p>	<p>Yes</p>	<p>Throughout JGI</p>
<p>Eppendorf Easypet</p> <p>Source:  <a href="http://www.eppendorfn.com">http://www.eppendorfn.com</a></p>	<p>Suitable for pipets from 0.1 ml to 100 ml</p> <p>Lightweight, balanced design provides comfortable, fatigue-free operation</p> <p>Touch-control adjustable speed for rapid or slow pipetting needs</p> <p>Fine control of the meniscus movement</p> <p>High aspirating speed: 25 ml in 5 seconds</p> <p>One-finger control for the dispensing and blow-out functions</p> <p>Cordless, works for up to seven hours after recharging</p> <p>Autoclavable pipet adapters and filter holders</p> <p>Space-saving wall holder</p>		<p>Accurate, safe and fatigue-free series pipetting using graduated pipets is possible with the aid of the Easypet, a lightweight, handheld device that precisely responds to finger pressure for slow or rapid aspiration, setting the meniscus or emptying the pipet.</p>	<p>Yes</p>	<p>Cloning Tech and Seq. Chemistry</p>



Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Eppendorf Repeater® stream and Repeater Xstream Electronic Pipette Source: <a href="http://www.eppendorfna.com">http://www.eppendorfna.com</a></p>	<p>Electronic dispensing with programmable memory functions Contamination-free dispensing using positive displacement principle Dispensing from 1 µl to 50 ml Ideal for viscous solutions (e.g. glycerol, oil) or liquids with high vapor pressure (e.g. acetone, ethanol) Dispensing volumes in long series</p>		<p>Repeater stream is suitable for all standard pipetting and dispensing applications; for added versatility, the Repeater Xstream can also perform titrations, sequential dispensing and aspiration of supernatants.</p>	<p>Yes</p>	<p>New Tech</p>
<p>FinnPipette Novus Electronic Single Channel Pipette Source: <a href="http://www.thermo.com/com/cda/product/detail/1,,116521,00.html">http://www.thermo.com/com/cda/product/detail/1,,116521,00.html</a></p>	<p>Backlit display Trigger action buttons allow dispensing with index fingers reducing thumb motion Adjustable finger rest Lightweight 10 pipetting functions 9 speeds 6 language interface</p>		<p>Finnpipette Novus is the first electronic pipette to have backlit technology. It is lightweight and has an adjustable finger rest for use with either hand. It's multiple pipetting functions and multiple speeds make it one of the most versatile electronic pipettes on the market.</p>	<p>No</p>	
<p>Viaflo Source: <a href="http://www.viaflo.com">http://www.viaflo.com</a></p>	<p>Allows you to set a countdown timer that will automatically reset itself, as well as setting up to twelve independent alarms for any times throughout the day. Full-color display offers user-friendly navigation through the graphical user interface Unique Touch Wheel allows fast programming and rapid</p>		<p>Easily adjusts volume and speed easily, can add 'favorites', and has reduced force on thumb.</p>	<p>Yes</p>	<p>Throughout JGI</p>



Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
	<p>volume setting without having to access difficult-to-push buttons.</p> <p>Bluetooth functionality enables seamless and wireless transfer of information including complex pipetting programs between the pipettor and your personal computer.</p> <p>Tri-Lobe Tip Fitting provides lowest attachment and ejection forces in the industry as well as more secure tip attachment.</p> <p>Intuitive software provides unparalleled ease-of-use with function-based or step-based programming as well as the option to download protocols from your PC.</p>				
<p>FinnPipette Novus Electronic Multi Channel Pipette</p> <p>Source:  <a href="http://www.thermo.com/com/cda/product/detail/1,1055,10120040,00.html">http://www.thermo.com/com/cda/product/detail/1,1055,10120040,00.html</a></p>	<p>Backlit display</p> <p>Trigger action buttons allow dispensing with index fingers reducing thumb motion</p> <p>Adjustable finger rest</p> <p>Lightweight</p> <p>10 pipetting functions</p> <p>9 speeds</p> <p>6 language interface</p>		<p>Finnpipette Novus is the first electronic pipette to have backlit technology. It is lightweight and has an adjustable finger rest for use with either hand. It's multiple pipetting functions and multiple speeds make it one of the most versatile electronic pipettes on the market.</p>	<p>Yes</p>	<p>Freezers Group</p>

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Magnifier Lamps # 45-3357  Source: <a href="http://www.sciencelab.com/page/S/PV/AR/10175/45-3357">http://www.sciencelab.com/page/S/PV/AR/10175/45-3357</a>	2X magnification, 36 in. reach Convenient front handle Spring counterbalance Control knobs lock magnifier in place Large viewing area, 4 x 21/2 in. Incandescent 60w bulb 120V 60Hz, 0.5A UL listed and CSA approved		Adjustable position light magnifier can reduce awkward postures and eye strain when viewing laboratory tasks that require magnification.	No	
Laboratory Scissor Jack - Stainless Steel, Plate Size 6"x6" - 10-9003  Laboratory Scissor Jack - Stainless Steel, Plate Size 8"x8" - 10-9004  Source: <a href="http://www.sciencelab.com/page/S/PV/AR/10-90034">http://www.sciencelab.com/page/S/PV/AR/10-90034</a>	Laboratory Jack 10-9003 collapsed height is 3" and expanded height is 10". Laboratory jack 10-9004 collapsed height is 3.5" and expanded height is 10.25".		Laboratory scissor jacks constructed of high quality stainless steel to raise equipment height. Supports up to 200 lbs. Two plate sizes.	No	
Test Tube Clamps  Source: <a href="http://www.indigo.com/science-supplies/gph-science-supply/lab-support-stand.html">http://www.indigo.com/science-supplies/gph-science-supply/lab-support-stand.html</a>	Clamps can support test tubes and flasks Support rings hold beakers & flasks		Clamps with stands that hold and position test tubes or cylinders to minimize static postures associated with holding them for extended periods of time	Yes	Room 413 and New Tech





Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Flexible Gooseneck Arms with Electrode Holder  Source: <a href="http://www.belart.com/shop/183152322-2-flexible-with-weighted-base-p-183152322.html?cPath=19">http://www.belart.com/shop/183152322-2-flexible-with-weighted-base-p-183152322.html?cPath=19</a>	46cm (18") long x 25mm (1") in diameter arm One end has a 12.7mm (1/2") diameter stainless steel pin for attachment to a clamp or base. Attach electrode holder to other end Molded of chemical and corrosion resistant acetal copolymer links with ball-and-socket joints Base and electrode holder sold separately• Chemical resistant		Flexible gooseneck arm and base with electrode holder can be used to position a Ph meter or similar tool and eliminate prolonged gripping of tools.	No	
<b>Bottles and Dispensers</b>					
Plastic Wash Bottles (Squeeze Bottles)  Source: <a href="http://www.daigger.com/catalog/product?deptId=&amp;prodId=2757D">http://www.daigger.com/catalog/product?deptId=&amp;prodId=2757D</a>	Low density polyethylene with leakproof screw cap 1-pc. cap/spout		Transfer small amounts of unmeasured liquids in place of test tubes or beakers.	Yes	Throughout JGI
Graduated Cylinder with Handle  Source: <a href="http://www.usplastic.com/catalog/product.asp?catalog%5Fname=USPlastic&amp;category%5Fname=14&amp;product%5Fid=12826&amp;cookie%5Ftest=1">http://www.usplastic.com/catalog/product.asp?catalog%5Fname=USPlastic&amp;category%5Fname=14&amp;product%5Fid=12826&amp;cookie%5Ftest=1</a>	Standard polypropylene Double scale and octagonal base Steam autoclavable at 250°F		The generously sized handle makes pouring from a tall cylinder safer and more convenient	No	
3181 Bottle Jacket  Source: <a href="http://www.labsafety.com/search/bottle+jacket/35585/3181/?isredirect=true">http://www.labsafety.com/search/bottle+jacket/35585/3181/?isredirect=true</a>	Tough polyethylene shell encapsulates a 4L or 1-gal. bottle Two-piece jacket with unique threading design firmly connects top and bottom Blocks out light to reduce solvent degradation.		Easy grip handle improves ability to grip and pour gallon or 4-liter bottles of liquids. Reduces spill hazards in case of breakage.	No	

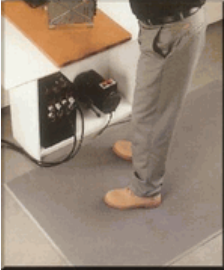


Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Brinkmann Bottletop Dispensers  Source: <a href="http://www.daigger.com/catalog/product?deptId=&amp;prodId=20565&amp;q=bottle+dispensers">http://www.daigger.com/catalog/product?deptId=&amp;prodId=20565&amp;q=bottle+dispensers</a>	Precise volume settings Filling tube adjusts to fit reagent bottle Dispensers rotate 360° Calibration certificate		The Brinkmann Bottletop Dispensers make reagent dispensing as quick and easy as possible. Dispensers are available in fixed-volume or adjustable volume sizes to cover the range of 0.5 to 100 mL.	Yes	New Tech
Two Handle Dispensing Jugs  1026 Nalgene Safety Dispensing jug  Source: <a href="http://www.labsafety.com/search/jug/24529963/">http://www.labsafety.com/search/jug/24529963/</a>	Low-density polyethylene jug includes top and bottom safety handle Guaranteed leakproof Permanently attached pour spout reduces splash 83mm polypropylene closure Not autoclavable.		Double-handle design makes carrying and pouring easier and safer to accomplish.	No	
Watson Marlow pump  Source: <a href="http://www.watson-marlow.com/">http://www.watson-marlow.com/</a>	Peristaltic hose pumps, tube pumps, and filling systems		Can be used to dispense fluids to avoid bottle handling	Yes	BET and CAPS
Chairs, Footrests and Mats					




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>SomaHybrid Sit-Stand and Medical Stool</p> <p>Source:  <a href="http://www.soma.tv/content/chairs/soma-hybrid.shtml">http://www.soma.tv/content/chairs/soma-hybrid.shtml</a></p>	<p>Available in multiple seat sizes and styles            RSI-preventive Thorsac™ backrests            Three multi-adjust mechanisms            Large 5-leg base for stability!            Easy-to-reach adjustments</p>		<p>It's a chair, it's a stool, it's a chest rest. You can sit, you can stand, you can move with the SomaHybrid™ chair and change positions while you work to reduce fatigue.</p>	<p>Yes</p>	<p>Throughout JGI</p>
<p>Bambach Stool</p> <p>Source:  <a href="http://www.backdesigns.com/Bambach-Saddle-Chair-P566C158.aspx">http://www.backdesigns.com/Bambach-Saddle-Chair-P566C158.aspx</a></p>	<p>Seat tilts 5° backward and 10° forward for comfort. 27" base is provided with tall lifts used with a footing for greater stability at no additional charge. Oversize 60mm hooded casters for smooth rolling on carpet or hard floors. Optional braking, locking, and industrial casters also available.</p>		<p>The Bambach Saddle Seat is shaped like a saddle to enable the body to maintain ideal posture when sitting. There is no need for direct lumbar support because the correct lumbar curve is maintained naturally rather than artificially.</p>	<p>No</p>	




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Hag Capisco Laboratory chair</p> <p>Source:  <a href="http://www.ergodepot.com/HAG_Ultrasound_Chair_p/8106u.htm">http://www.ergodepot.com/HAG_Ultrasound_Chair_p/8106u.htm</a></p>	<p>Non-traditional saddle seat design. Flat seat is available at no additional charge.</p> <p>Adjustments: seat depth, seat height, back height, tilt tension backward, and three-position tilt lock.</p> <p>Provides full trunk and arm support when seated backwards.</p> <p>Aluminum base with curved/arched footring</p>		<p>HAG's award-winning Capisco chair can be modified for ultrasound, radiology and laboratory applications. The tall 265mm lift offers nearly ten inches of seat height variation. And the footring (or optional Step-Up) allows for infinite positions for your feet. Ideal for sit/stand applications, the chair encourages creative, alternate sitting positions - forwards, backwards or sideways.</p>	<p>Yes</p>	<p>New Tech, Freezers, and Throughout B400</p>
<p>Labster BIMOS Chair</p> <p>Source:  <a href="http://www.industrysearch.com.au/News/New_Bimos_Labster_Worlds_First_Pure_Lab_Chair-35827">http://www.industrysearch.com.au/News/New_Bimos_Labster_Worlds_First_Pure_Lab_Chair-35827</a></p>	<p>Clean design with no sharp edges or crevices</p> <p>Covered star base for stability and easy cleaning</p> <p>Height adjustable footrest</p> <p>Compact footprint</p> <p>Seat tilt</p> <p>Tilting molded backrest</p>		<p>The Labster from BIMOS Germany is specifically designed for laboratory work, with no sharp edges or crevices and a closed base for easy cleaning. Compact design provides small footprint for small spaces.</p> <p>Labster's special "work function" backrest with specially moulded polyurethane features a unique ventral support.</p> <p>The seat unit flexibly adapts to the corresponding position of the body and permits ergonomic work in postures that are typical for labs, where operators often spend long hours with the upper part of their body bent forwards, for example when pipetting or working at a microscope.</p>	<p>No</p>	


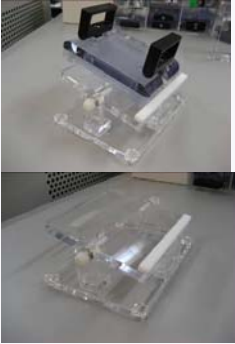





Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Adjustable footrest SV-973-700  Source: <a href="http://www.scientificvisions.com/catalog/product_info.php?cPath=26&amp;products_id=33">http://www.scientificvisions.com/catalog/product_info.php?cPath=26&amp;products_id=33</a>	Adjustable Slide Resistant Rubber Feet Easily Cleaned Non-skid Foot Surface		Adjustable, tall, heavy duty footrest provides support for feet when sitting at lab bench or using safety cabinet.	Yes	Demo Room
ISE Steel Frame Footrest  Source: <a href="http://airtechcorp.stores.yahoo.net/qfstlissetfr.html">http://airtechcorp.stores.yahoo.net/qfstlissetfr.html</a>	23.5" w x 13.5"d x 17" h Adjusts in 1" increments between 4-14" in height 3 tilt angle adjustments Steel platform on non-skid pads		Very sturdy footrest can be used to support feet when working at lab bench or in safety cabinet or hood.	No	
BioFit Industrial Footrest  Source: <a href="http://www.labsafety.com/BIO-FIT-Industrial-Footrests_24548808/">http://www.labsafety.com/BIO-FIT-Industrial-Footrests_24548808/</a>	Adjust height in 1 in. increments from 3-11 in. Fixed 10o slope Nonslip rubber matting coating Durable steel tubing frame with powder coat finish		Industrial grade footrest that can support feet when working at a lab bench or safety cabinet.	No	
Workrite Footrest  Source: <a href="http://www.workriteergo.com/products/accessories.asp">http://www.workriteergo.com/products/accessories.asp</a>	Height adjustment in 1" increments from 6" to 15" above the floor Fluid rocking motion automatically adjusts with changes in body position. Heavy gauge steel frame Large 23"w x 11.25"d platform		Adjustable, tall, and heavy duty footrest provides support for feet when sitting at lab bench or using safety cabinet.	Yes	Demo Room



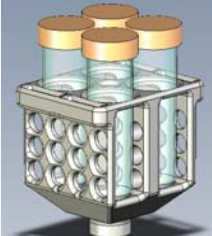
Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Ortho Mat Floor Mats</p> <p>Source:  <a href="http://airtechcorp.stores.yahoo.net/protormat.html">http://airtechcorp.stores.yahoo.net/protormat.html</a></p>	<p>Closed cell mat eliminates absorption of liquids, fluids and airborne pathogens  Infection control  "antimicrobial" prevents mold, mildew and bacterial growth  Light weight, easy to clean.  disinfectants.  Custom sizes available</p>		<p>Floor mats designed to reduce back, leg, foot, and ankle fatigue when standing for prolonged periods to complete lab tasks.</p>	<p>No</p>	
<p>Dawg Vinyl Floor Mat 488</p> <p>Source:  <a href="http://www.dawginc.com/floor-safety/anti-fatigue/vinyl-mat.php">http://www.dawginc.com/floor-safety/anti-fatigue/vinyl-mat.php</a></p>	<p>Vinyl non-porous surface with Nitricell sponge base  Anti-microbial  Abrasion and chemical resistance</p>		<p>Floor mats designed to reduce back, leg, foot, and ankle fatigue when standing for prolonged periods to complete lab tasks.</p>	<p>No</p>	
<p>UltraSoft Diamond-Plate SpongeCote Mat</p> <p>Source: Lab Safety Supply various styles/ sizes available  <a href="http://www.labsafety.com/search/58725BLY/24527837/58725BLY/?GoButton=Go&amp;isredirect=true">http://www.labsafety.com/search/58725BLY/24527837/58725BLY/?GoButton=Go&amp;isredirect=true</a></p>	<p>Extremely buoyant ergonomic design increases circulation and helps prevent fatigue.  Has beveled edge.</p>		<p>Helps reduce fatigue while performing standing work</p>	<p>Yes</p>	<p>Throughout JGI</p>

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
Ergomates  Source: <a href="http://www.ergosusa.com/">http://www.ergosusa.com/</a>	Various shoe sizes		Provides portable 'anti-fatigue' mat when matting is not feasible or possible.	Yes	Demo Room
<b>Counter Top Extenders</b>					
Countertop Extender  Source: <a href="http://cndproducts.com/labcare.php">http://cndproducts.com/labcare.php</a>	Dual slide out work surfaces Shelves then store neatly under the raised work surface when not in use Non-skid, anti-vibration feet Can be cleaned with disinfectant		Countertop Extender instantly adds valuable work space to any counter. It has dual slide out work surfaces to allow extra work space on any bench. The two spring-assisted shelves then store neatly under the raised work surface when not in use.  The rugged construction can support even heavy bench top equipment. The non-skid, anti-vibration feet will keep the countertop extender in place.	No	
<b>Cueing Devices</b>					
Vibrating timers  Source: Amazon.com	A discreet vibrating reminder that you won't tune out Allows you to set a countdown timer that will automatically reset itself, as well as setting up to twelve independent alarms for any times throughout the day. Beep and vibration with a volume/strength control that allows you to customize the intensity of your reminder		Can be utilized in laboratories for discreet and private stretch break reminders	Yes	Demo Room




Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<b>Vortex Accessories</b>					
Vortex accessories for hands free use Source: <a href="http://www.scientificindustries.com">http://www.scientificindustries.com</a>	[needs info] Note: The foam accessories did not work well due to the reduction of mixing power.		Allows hand free use for frequent vortexing tasks and/or provides ability to do multiple tubes simultaneously	Yes	Demo Room and New Tech
Vortex 1.5-2mL micro tube adapter  Source: <a href="http://www.vwrsp.com/catalog/product/index.cgi?object_id=0022107&amp;class_id=5002402">http://www.vwrsp.com/catalog/product/index.cgi?object_id=0022107&amp;class_id=5002402</a> Part # 13502-388 Small Ampule/Tube Head Attachment (15–17 mm dia. Tubes)	Attaches to Vortex Genie and allows hands free vortexing		Allows for hands free vortexing of 1.5 – 2ml tubes. The center part can be used for manually vortexing bigger tubes.	Yes	New Tech and Cloning Tech
<b>Suction Cups</b>					
Suction cup with knob top  Source: McMaster-Carr  <a href="http://www.mcmaster.com/#suction-cups/=3y30eg">http://www.mcmaster.com/#suction-cups/=3y30eg</a>  Part # 8547A21	Break the suction with the push-button release valve.		Can be utilized to lift lids or plates with seals to prevent the need to grasp or pinch with the fingers. Use with bioassays and 386 well plates.	Yes	Sanger Chemistry, Plating, Picking and RCA
<b>Modified Products</b>					
Plate/Bottle Tilter (for static pipetting on bench)  Source: Diversified Biotech <a href="http://www.divbio.com/">http://www.divbio.com/</a>	Clear plastic platform and base that allows easy angle adjustment depending on users preferences		Allows for one handed pipetting out of the reagent bottles. Eliminates awkward posture needed to tilt the bottle while pipetting out of it.	Yes	New Tech

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Adjustable Well Plate Stand WPAJ-1000 w/ custom extension</p> <p>Customization Source: JGI Instrumentation</p>					
<p>BDD Tilter (for loading PTP)</p> <p>Source: Diversified Biotech <a href="http://www.divbio.com/">http://www.divbio.com/</a> Adjustable Well Plate Stand WPAJ-1000 w/ custom stop (10 degree tilt)</p> <p>Customization Source: JGI Instrumentation</p>	<p>Clear plastic platform and base that allows easy angle adjustment depending on users preferences</p>		<p>Allows for easier loading of the PTP at an angle without straining the wrist. It is set to a maximum angle to prevent angling the PTP too much while loading.</p>	<p>Yes</p>	<p>New Tech</p>
<p>Vortex 50mL conical tube vertical adapter w/ gel pad strap</p> <p>Customization Source: JGI Staff</p>	<p>Used gel wrist pad to place over tube rack to shake tubes</p>		<p>Allows hands free vortexing of multiple tubes</p>	<p>Yes</p>	<p>New Tech</p>





Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Pour-Thing Source: <a href="http://www.sammonspreston.com">http://www.sammonspreston.com</a></p> <p>w/ height adjustment for 1L plastic bottles</p> <p>Customization Source: JGI Instrumentation</p>	<p>With the use of only two fingers, this pouring aid can hold either a one gallon jug or a 2 liter bottle Note: JGI has modified this to accommodate specific bottle sizes</p>		<p>Eliminates need to hold/tilt bottle manually</p>	<p>Yes</p>	<p>New Tech</p>
<p>Vortex 50mL conical tube horizontal adapter</p> <p>Source : <a href="http://www.mobio.com/products/productdetail.php?pid=102">http://www.mobio.com/products/productdetail.php?pid=102</a> Vortex Adapter 13000-V1-50 Holds 2 (50 ml) Tubes</p>	<p>Allows hands free vortexing</p> <p>JGI modified this by drilling two holes and relocating two clips so a tube can be placed on each side of the base</p>		<p>Allows 4 50 ml tubes to be vortexed hands free</p>	<p>Yes</p>	<p>New Tech</p>
<b>Custom Products</b>					
<p>454 Reagent Tube Decapper</p>	<p>Provides an extended</p>		<p>Provides improved leverage</p>	<p>Yes</p>	<p>New</p>


Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Custom Hand Tool</p> <p>Decapping Interface Source: LBNL Machine Shops</p> <p>Handle Source: Solid Concepts 888-311-1017 661-295-4400 <a href="mailto:quotes@solidconcepts.com">quotes@solidconcepts.com</a> <a href="http://www.solidconcepts.com/contact.html">http://www.solidconcepts.com/contact.html</a></p> <p>#CapRemoverHandleV1 Resource: N.Scalise/D.Humphries/S/Roberts</p>	<p>leverage and a cap interface that was custom molded to fit the reagent bottle caps</p>		<p>and grip for removing caps</p>		<p>Technology</p>
<p>BDD handles</p> <p>Source: LBNL Machine Shops LBNL Order #UC9146 JGI/LBNL Resource: G. Mannino</p>	<p>Provides longer, thicker, and higher handle for loading, locking, and unlocking the device</p>		<p>Provides improved grip for loading the BDD into the centrifuge as well as makes it easier to lock and unlock the device</p>	<p>Yes</p>	<p>New Technology</p>
<p>Vertical 50ml vortexer</p> <p>Source: LBNL Machine Shops LBNL Order #UC9436-01 JGI/LBNL Resource: N.Scalise/D.Humphries</p>	<p>Drop tubes in, cover lids, and turn on vortexer for easy vortexing</p>		<p>Allows hands free vortexing of 4 50 ml tubes simultaneously</p>	<p>Yes</p>	<p>New Technology</p>



Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Clear 12 Microtube Rack</p> <p>Source: Poltex, LLC 925-513-8847 <a href="mailto:sales@poltex.com">sales@poltex.com</a> <a href="http://www.poltex.com/">http://www.poltex.com/</a></p> <p>#CS-01146-12</p>	<p>Holds 10 2ml tubes</p>		<p>Allows user to easily see the entire contents of the tube to either lift up the entire rack and/or leave the rack on the bench while pipetting to minimize single tube handling as well as improve neck/ arm postures</p>	<p>Yes</p>	<p>New Technology</p>
<p>CB Buffer Cap tube handle Custom Hand Tool</p> <p>Decapping Interface Source: LBNL Machine Shops LBNL Order #UC9431 Cat. Code/DWG #27G238</p> <p>Handle Source: Solid Concepts 888-311-1017 661-295-4400 <a href="mailto:quotes@solidconcepts.com">quotes@solidconcepts.com</a> <a href="http://www.solidconcepts.com/contact.html">http://www.solidconcepts.com/contact.html</a></p> <p>#CapRemHandleREVISED15degV1 #CapRemHandleREVISEDhorizV1</p> <p>JGI/LBNL Resource: N.Scalise/D.Humphries/S.Roberts</p>	<p>Provides an extended leverage and a cap interface that was custom molded to fit the reagent bottle caps</p>		<p>Provides improved leverage and grip for removing caps</p>	<p>Yes</p>	<p>New Tech</p>
<p>Table Insert Custom insert</p> <p>Source: LBNL Machine Shops LBNL Facilities Work Order # WAL580</p> <p>JGI/LBNL Resource: R.Weidenbach</p>	<p>Creates additional versatile work bench space</p>		<p>Created extra bench space for tip boxes or instruments for operators who prefer things at table height and not in the recessed portion.</p>	<p>Yes</p>	<p>New Tech</p>








Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p>Combo screw cap and snap cap decapper</p> <p>Source: LBNL Machine Shops Handle LBNL Order #UC9505 Aluminum Insert LBNL Order #UC9443</p> <p>JGI/LBNL Resource: G.Mannino/D.Humphries</p>	<p>This microtube opener provides the ability to open screw tops and snap caps on microtubes using the same tool.</p>		<p>Allows for opening both screw top small tubes and snap on tubes. Eliminates the pinch grip.</p>	<p>Yes</p>	<p>New Tech</p>
<p>Centrifuge bucket tool</p> <p>Source: Solid Concepts 888-311-1017 661-295-4400 <a href="mailto:quotes@solidconcepts.com">quotes@solidconcepts.com</a> <a href="http://www.solidconcepts.com/contact.html">http://www.solidconcepts.com/contact.html</a></p> <p>SKU#Centrifuge Bucket Tool v2</p> <p>JGI/LBNL Resource: S.Roberts</p>	<p>Hook and padded handle</p>		<p>Utilize one or two hands to lift centrifuge bucket from out of centrifuge without having to pinch the bucket</p>	<p>Yes</p>	<p>Throughout Sanger area</p>
<p><b>Debasing tool</b> Source: LBNL Machine Shops</p> <p>JGI/LBNL Resource: C.Reiter/K.Petermann</p>	<p>Rubber handle with custom hook for removing CAPS tanks lids and plates from base</p>		<p>Allows easy removal of CAPS tank lids and plates</p>	<p>Yes</p>	<p>Sanger CAPS</p>
<p><b>Thermocycler Tool Custom</b> Source: LBNL Machine Shops</p> <p>JGI/LBNL Resource: C.Reiter/K.Petermann/S.Roberts</p>	<p>Padded handle with trigger to activate suction of tool</p>		<p>Prevents the need to pry plates off thermocyclers with fingers/hands. Downward pressure can be applied on the tool to lift the plate off the thermocycler</p>	<p>Yes</p>	<p>Sanger RCA and Chemistry</p>

Laboratory Ergonomics Product	Features/Options	Image	Applications	At JGI ?	Location
<p><b>CAPS Tank Removal Tool</b>  Source: LBNL Machine Shops</p> <p>JGI/LBNL Resource:  C.Reiter/K.Petermann/S.Roberts</p>	Handle designed for use with power grip and tank can be easily slid on/off tool		Can be used to load or unload CAPS tanks from the machine versus using finger tips	Yes	Sanger CAPS

BLOOPERS: Tried but did not work.

Laboratory Ergonomics BLOOPERS	Features/Options	Image	Applications	At JGI ?	Location
BLOOPERS: Off the Shelf Products					

Laboratory Ergonomics BLOOPERS	Features/Options	Image	Applications	At JGI ?	Location
<p>MicroTube Tool (Pack of 4) EF4321</p> <p>Source: <a href="http://www.daigger.com/catalog/product?deptId=Microcentrifuge+Tube+Tools&amp;prodId=4321">http://www.daigger.com/catalog/product?deptId=Microcentrifuge+Tube+Tools&amp;prodId=4321</a></p>	<p>Would require awkward hand positions to keep bag open. It doesn't seem to stay open which will be a problem since a lot of the time we want to reuse a tip and just eject the content in the waste without touching the bag.</p>		<p>Disposable waste bags with an adhesive strip across the top frees bench or hood space when hung from walls, cabinets, or virtually anywhere. Can reduce reaching. Peel off the backing and hang close to your work area. The back panel is longer than the front for easy opening.</p>	<p>No</p>	
<p>MicroTube Tool</p>	<p>Did not work well because it still requires fine pinch with finger tips.</p>		<p>MicroTube Tool Saves wear and tear on your fingers and thumbs!</p> <p>Innovative MicroTube Tool makes it a breeze to open snap caps and screw caps. Convenient two sided, polypropylene tool features snap-cap opener on one side and a screw-cap device on the other. Pack of 4.</p>	<p>No</p>	
<p><b>BLOOPERS: Arm Supports/Padding</b></p>					
<p>Custom padded sleeves worn under lab coat</p> <p>Source: <a href="mailto:lindalorrainegloves@feri.com">lindalorrainegloves@feri.com</a></p> <p>Contact Linda directly to get quote and make arrangements- T: 415-239-2397 F: 415-239-6231</p>	<p>Custom-made to fit by Linda Lorraine Light and comfortable Mesh fabric breathes well. Need to separately obtain closed-cell foam for pads at elbow and/or forearm (see below)</p>	 	<p>Wearable pads can provide elbow and forearm protection from hard surfaces/edges.</p>		

Laboratory Ergonomics BLOOPERS	Features/Options	Image	Applications	At JGI ?	Location
<b>BLOOPERS: Modified Products</b>					
Vortex 50mL conical tube horizontal adapter <a href="http://www.mobio.com/products/productdetail.php?pid=102">http://www.mobio.com/products/productdetail.php?pid=102</a> Vortex Adapter 13000-V1-50 Holds 2 (50 ml) Tubes	Allows hands free vortexing Note: This product was modified because of too much force to insert tubes if using two clips per tube		Required too much force	No	
<b>BLOOPERS: Custom Products</b>					

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