PPE and Cleaning Supplies in the Dietrich School Stockroom

The Dietrich School Stockroom (DSS) has agreed to work with Purchasing Services to manage specialized personal protective equipment (PPE) and cleaning supplies used primarily for higher-risk research activities. Many of the items stocked are difficult to source and should only be withdrawn by non-research areas under special circumstances that comply with the Healthcare Advisory Group’s Health and Safety Guidelines. All other departments should refer to the next section.

The graph below summarizes overall supply chain availability/risk of PPE and cleaning supplies. The subsequent table summarizes, at a category level, in stock inventory and items on order in the Dietrich School Stockroom:

### Low Risk
- Stable Supply, commonly available

### Medium Risk
- Limited supply, smaller quantities available

### High Risk
- Extremely Constrained or no availability

<table>
<thead>
<tr>
<th>Item</th>
<th>UOM</th>
<th>On Hand</th>
<th>On Order</th>
<th>Estimated Weeks’ Supply Based on Consumption</th>
<th>Anticipated Delivery Dates</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOUFFANT (1000 or 2000 CASE)</td>
<td>CS</td>
<td>86</td>
<td>0</td>
<td>&gt;4 wks</td>
<td>TBD</td>
<td>Medline; Fisher</td>
</tr>
<tr>
<td>COVERALLS (25 CS)</td>
<td>CS</td>
<td>39</td>
<td>4</td>
<td>&lt;4 wks</td>
<td>TBD</td>
<td>Fisher Scientific, Medline, Grainger</td>
</tr>
<tr>
<td>GOWNS (100 CS, 400 CS or 10 PK)</td>
<td>CS or PK</td>
<td>716</td>
<td>0</td>
<td>&gt;4 wks</td>
<td>Medline; Fisher (universal size)</td>
<td></td>
</tr>
<tr>
<td>LAB COATS (30 CS or 10 PK)</td>
<td>CS or PK</td>
<td>606</td>
<td>0</td>
<td>&gt;4 wks</td>
<td>Medline; Fisher</td>
<td></td>
</tr>
<tr>
<td>FROCKS (25 or 30 PER CS)</td>
<td>CS</td>
<td>82</td>
<td>9</td>
<td>&gt;2 wks</td>
<td>TBD</td>
<td>Fisher</td>
</tr>
<tr>
<td>SHOE COVERS (150 CS)</td>
<td>CS</td>
<td>9</td>
<td>5</td>
<td>&lt;2 wks</td>
<td>TBD</td>
<td>Fisher</td>
</tr>
<tr>
<td>FACE SHIELDS (96 or 200 CS)</td>
<td>CS</td>
<td>183</td>
<td>0</td>
<td>&lt;4 wks</td>
<td>Medline; Fisher 200</td>
<td></td>
</tr>
<tr>
<td>FACE MASK 3PLY (500 CS)</td>
<td>CS</td>
<td>43</td>
<td>0</td>
<td>&lt;4 wks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACE MASK ASTM LEVEL 1 (2000 CS)</td>
<td>CS</td>
<td>16</td>
<td>0</td>
<td>&lt;2 wks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACE MASK LEVEL 3 (2000 CS)</td>
<td>CS</td>
<td>55</td>
<td>14</td>
<td>&gt;2 wks</td>
<td></td>
<td>VWR; Fisher</td>
</tr>
<tr>
<td>NITRILE GLOVES (100, 1000, 2000, or 3000 PER CS)</td>
<td>CS</td>
<td>1625</td>
<td>2725</td>
<td>&lt;4 wks</td>
<td>Wk of 2/8</td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>CHLOROPRENE GLOVES (100 PACK)</td>
<td>PK</td>
<td>39</td>
<td>0</td>
<td>&gt;4 wks</td>
<td></td>
<td>Fisher Scientific</td>
</tr>
<tr>
<td>LATEX EXAM GLOVES (50, 100 or 1000 CS)</td>
<td>CS</td>
<td>517</td>
<td>11</td>
<td>&lt;4 wks</td>
<td>TBD</td>
<td>Fisher</td>
</tr>
<tr>
<td>PEROXIGARD 6&quot;X7&quot; DISINFECTANT WIPES</td>
<td>CT</td>
<td>87</td>
<td>0</td>
<td>&lt;3 wks</td>
<td></td>
<td>Cincinnati Lab Supply</td>
</tr>
<tr>
<td>PEROXIGARD READY TO USE (RTU) 320Z</td>
<td>CS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td>Cincinnati Lab Supply</td>
</tr>
<tr>
<td>PEROXIGARD RTU 320Z (12 CS)</td>
<td>CS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td>Fisher</td>
</tr>
<tr>
<td>PEROXIGARD RTU GALLON DISINFECTANT</td>
<td>CS</td>
<td>31</td>
<td>0</td>
<td>&gt;4 wks</td>
<td></td>
<td>Cincinnati Lab Supply</td>
</tr>
<tr>
<td>PEROXIGARD CONCENTRATE GALLON DISINFECTANT</td>
<td>CS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td>Cincinnati Lab Supply</td>
</tr>
<tr>
<td>PEROXIGARD RTU 5GAL</td>
<td>EA</td>
<td>27</td>
<td>0</td>
<td>&lt;3 wks</td>
<td></td>
<td>Cincinnati Lab Supply</td>
</tr>
<tr>
<td>WIPERS KIMTECH (500 CS)</td>
<td>CS</td>
<td>75</td>
<td>1</td>
<td>&lt;4 wks</td>
<td></td>
<td>Fisher – on allocation from Kimberly Clark</td>
</tr>
<tr>
<td>WIPERS KIMWIPE 15INX17IN EX-L (15 CS)</td>
<td>CS</td>
<td>68</td>
<td>0</td>
<td>&lt;4 wks</td>
<td></td>
<td>Fisher</td>
</tr>
</tbody>
</table>

Centrally Managed PPE and COVID-19 Mitigation Supplies
Week ending January 15, 2021
Centrally Managed PPE and COVID-19 Mitigation Supplies
Week ending January 15, 2021

Purchasing Services

CAVICIDE LIQ DISINFECTANT 1GAL
EA  72  76  >4 wks  TBD  Order pending with Grainger; no firm ETA

VIREX TB DISINFECTANT 32OZ (12 CS)
CS  15  0  >4 wks

PAPER TOWELS MULTIFOLD BROWN (16 CS)
CS  485  0  >6 wks

32OZ SPRAY BOTTLES
EA  323  0  >6 wks

32OZ SPRAY TRIGGERS
EA  330  0  >6 wks

PUMP HAND 5GALLON
EA  6  0  >4 wks

Laboratory Plastic Consumables
With the increased difficulty in sourcing plastics, the DSS has begun stocking certain plastic laboratory consumables. This effort is intended to support the continuation of research.

<table>
<thead>
<tr>
<th>Item</th>
<th>UOM</th>
<th>On Hand</th>
<th>On Order</th>
<th>Estimated weeks’ Supply Based on Consumption</th>
<th>Anticipated Delivery Dates</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CELL CULTURE PLATES (75 or 160 CS)</td>
<td>CS</td>
<td>220</td>
<td>288</td>
<td>0</td>
<td>Wk of 2/8</td>
<td>Partially shipping week of 2/8; remaining will ship early March</td>
</tr>
<tr>
<td>TISSUE CULTURE FLASKS (100 OR 200 PER CS)</td>
<td>CS</td>
<td>70</td>
<td>0</td>
<td>TBD, just receive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEROLOGICAL PIPETTES (200 CS)</td>
<td>CS</td>
<td>0</td>
<td>1591</td>
<td>0</td>
<td>Wk of 3/29</td>
<td>Fisher (5, 10, 25 and 50 ML)</td>
</tr>
<tr>
<td>CELL CULTURE DISHES (150 CS)</td>
<td>CS</td>
<td>39</td>
<td>346</td>
<td>0</td>
<td>Wk of 3/29</td>
<td></td>
</tr>
<tr>
<td>PIPETTE TIPS (5PK per CS)</td>
<td>CS</td>
<td>84</td>
<td>1369</td>
<td>0</td>
<td>TBD</td>
<td></td>
</tr>
<tr>
<td>TUBES (300 or 500 CS)</td>
<td>CS</td>
<td>0</td>
<td>584</td>
<td>0</td>
<td>Wk of 1/25</td>
<td>15 and 50 ML Conical Tubes; 15 ML expected to ship 1/20/2021</td>
</tr>
</tbody>
</table>

COVID-19 Mitigation Supplies for Use Other than Research/Clinical, Common Areas or Classrooms
The graph below summarizes the general supply chain availability/risk of COVID-19 mitigation supplies such as hand sanitizer and disinfecting wipes for use in personal workspace and other areas not cleaned by custodial staff. The subsequent table summarizes, at a category level, in-stock inventory and items on order available through the SUPRA PantherExpress System punch-out:

1
2
3
4
5
6
7
8
9
10

Low Risk
Stable Supply, commonly available

Medium Risk
Limited supply, smaller quantities available

High Risk
Extremely Constrained or no availability

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</tr>
</thead>
<tbody>
<tr>
<td>HAND SANITIZER (8 OZ BOTTLE)</td>
<td>EA</td>
<td>16,600</td>
<td>0</td>
<td>&gt;6 wks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISINFECTING WIPES (75 WIPES PER CANISTER)</td>
<td>EA</td>
<td>40,800</td>
<td>0</td>
<td>&gt;6 wks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NITRILE GLOVES (100 PER BOX)</td>
<td>BX</td>
<td>0</td>
<td>4,000</td>
<td>0</td>
<td>TBD</td>
<td>Continuously delayed</td>
</tr>
<tr>
<td>CLEAR PANEL FACE COVERINGS (5 PER BX)</td>
<td>EA</td>
<td>2,100</td>
<td>0</td>
<td>&lt; 4 wks</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Centrally Managed PPE and COVID-19 Mitigation Supplies  
Week ending January 15, 2021

• Responsibility for Providing COVID-19 Mitigation Supplies and Cleaning –  
  o **Facilities Management** provides hand sanitizer for approximately 600 wall-mounted units in University buildings and is cleaning restrooms, classrooms, and high-touch areas such as doorknobs, light switches, and push bars in buildings that it manages. Facilities is also providing disinfectant wipes inside each classroom for students to clean desks between classes.
  o **Leased space** is managed by landlords and maintained by contracted cleaning companies with necessary oversight by University tenants.
  o **Individual Departments/Areas** must purchase any desired COVID-19 mitigation and cleaning supplies for personal office spaces (including desks and computers), reception desk and area, and kitchenettes.

• We continue to remind the University community that PPE and disinfectant supplies for uses unrelated to research and outside of labs should not be withdrawn from the DSS.

• Ordering from the Dietrich School Stockroom since October 1, 2020 has slowed significantly. Purchasing Services and Dietrich School Stockroom management are closely monitoring stock levels and replenishment orders.

Relevant PPE Articles

• Supply Chain Dive: [Congestion could clog California ports into February, Hapag-Lloyd warns](https://www.supplychaindive.com/articles/congestion-could-clog-california-ports-into-february-hapag-lloyd-warns)
• Supply Chain Dive: [Supply chains struggle to procure nitrile gloves after manufacturer shutdown](https://www.supplychaindive.com/articles/supply-chains-struggle-to-procure-nitrile-gloves-after-manufacturer-shutdown)
• Bloomberg: [China Made 40 Face Masks for Every Person Around The World](https://www.bloomberg.com/news/articles/2020-02-28/china-made-40-face-masks-for-every-person-around-the-world)
General Scientific Supplies Marketplace Conditions:

- **PPE:**
  - Face Masks, Face Shields, Goggles, Gowns, and Lab Coats:
    - Fisher – Future extended backorder risk for goggles. Disposable isolation gowns removed from allocation status. Significant backorders and extended lead times due to supplier allocation continue for all other category items. (unchanged from last report)
    - Medline – Products on allocation. (unchanged from last report)
    - VWR – Products on allocation. (unchanged from last report)
  - Exam Gloves:
    - Fisher – Significant backorders and extended lead times. Supply chain is constrained. Limited quantities of gloves will be made available on the punch-out in February 2021. (NEW)
    - Medline – Products on allocation. Supply chain constrained due to limited manufacturing capacity. (unchanged from last report)
    - VWR – Products on allocation. (unchanged from last report)
  - Cleaners/Sanitizers:
    - Fisher – Significant backorders and extended lead times due to supplier allocation. Limited replenishment. (unchanged from last report)
    - Medline – Manufacturing is domestic and running at maximum capacity. Isopropyl alcohol, plastic canisters and wipe supply chains disrupted. Disinfecting wipes removed from allocation. (NEW)
    - VWR – Products on allocation. Disinfectant wipes available; recommend order quantities of 20 cases or less to ensure on time shipments. (unchanged from last report)

- **Specimen Collection System:**
  - Nasal Swabs:
    - Fisher – Moderate to severe backorders. Monitoring with risk of future extended backorders. (unchanged from last report)
  - NP Swab/UTM Kits/Vial and Media:
    - Fisher – Moderate to severe backorders. Monitoring with risk of future extended backorders. (unchanged from last report)
  - Testing Swabs:
    - VWR – Swabs remain on allocation. (unchanged from last report)

- **General Lab Supplies:**
  - Mettler-Toledo Rainin – Prior to committing to the order, Rainin will evaluate requests for tip quantities of 100 and greater. Extended length tips, 1000ul and 200ul, continue to have significant back orders, beyond 12 weeks. Not accepting any large orders for extended length tips. The 96-channel pipettors, the Liquidator, and BenchSmart are experiencing extremely high demand. Not taking any new orders for the 1000ul tips and are near capacity on the 200ul and 20ul tips. Additional molds have been ordered to assist in increasing production capacity of these tips and the extended length tips. This increase will not be realized until 2021. Recommending customers not purchase the 1000ul size Liquidators or BenchSmarts due to unavailability. All other pipettes are in stock and ready to ship immediately. (unchanged from last report)
  - DAI Scientific – Normal lead times on all product lines. (unchanged from last report)
  - LabRepco – No supply issues anticipated. (unchanged from last report)

- **Pharmaceutical or Controlled Substances:**
  - Covetrus North America (formerly known as Henry Schein Animal Health) – No supply issues to report. PPE beginning to become available to researchers developing treatments for COVID-19. (unchanged from last report)

- **Shippers (refrigerated/frozen transportation for infectious substances or other biomaterials):**
  - Fisher – Able to meet historical demand, monitoring for future surge orders. (unchanged from last report)
Supplier Specific:

- **BD Biosciences** – Certain reagents reported as backordered. Experiencing shortages of disposable needles and syringes (needed for vaccine distribution). Working to improve lead-times. (unchanged from last report)

- **Miltenyi Biotec** – Reporting up to a three-week delay for the delivery of certain antibodies. New test kits sourced from Germany are experiencing longer lead-times due to delays in Customs. Contact Miltenyi rep for more detail. (unchanged from last report)

- **Supra/Office Depot** – Remains well-stocked on other hand sanitizer options, three-ply face masks, and hand soap. Other PPE, sanitizing and disinfecting items come available in the Supra punchout as they are received by Office Depot. Purchase of 4,000 boxes of nitrile gloves continuously delayed with no ETA. A PO for 30,000 boxes of nitrile gloves was awarded 12/18/2020. Updated delivery date will be provided next week. Supply of N-95 masks available. (NEW)

- **Bio-Rad Laboratories** – Received emergency approval from the FDA for a COVID-19 diagnostic test. Offering a highly sensitive real-time qPCR assay kit for COVID testing. CFX RT PCR – instrumentation backordered; Reliance One Step qRT-PCR kits backordered; PCR plastics – spike in demand due to COVID screening. Backorders will improve significantly over the next 2-3 months. Xcluda Barrier Pipet tips that are compatible with Rainin and Eppendorf pipettors are in stock; supply is limited. Customers encouraged to contact their BIO-RAD account manager to assist with obtaining these items. (unchanged from last report)

- **Cell Signaling Technologies** – Long-term sales rep, Tammy Yee, has left the company in addition to her manager. The role will be filled sometime in 2021 once business starts to pick up in volume. (unchanged from last report)

- **Charles River** – Remaining operational. (unchanged from last report)

- **Fisher Scientific** – University remains on priority allocation. Supply chain for the manufacturing of all plastic consumables remains constrained. Pipette tips, conical tubes, plastic flasks, cell culture plates, etc. are in extremely high demand with increasing lead times. Two nitrile glove shipments expected to be available in Dietrich Scientific Stockroom in mid-January. Customer in need of cold storage units should consider purchasing early; lead times are currently 45 days and growing. University placed several bulk orders of plastic lab consumables including pipette tips; delivery early Q1 2021. (unchanged from last report)

- **Gemini Bio-Products** – No supply issues to report. (unchanged from last report)

- **Medline** – Price increases for various PPE in effect through February 1, 2021. Glove manufacturing remains constrained. Nitrile gloves and disinfectants to remain difficult to source, encourage ordering ahead of time. Disposable garb outlook improving. Products associated with vaccine distribution in very short supply; including sharps containers, needles, syringes, etc. Restocked Prohibit-brand coveralls. (NEW)

- **MilliporeSigma** – Overall stable inventory with some variability in locality and individual portfolio areas. Identifying product alternatives when necessary. PPE products have sold-out and have been removed from the website. Currently offering a 60% discount on reagents and consumables. Offering COVID virus detection products as well as molecular analysis and supporting reagents. Certain COVID related products are on allocation; response team prioritizing in order to promote and support public health. Prepack and bulk quantities of chemicals available for labs to make their own disinfectants. (unchanged from last report)

- **New England Biolabs** – Fully operational with no major supply disruptions. (unchanged from last report)

- **Quest Diagnostics** – Open and processing lab requests. Pickups occurring at regular scheduled times. (unchanged from last report)

- **TR Last** – No anticipated supply chain issues for animal feed or bedding. (unchanged from last report)

- **VWR** – PPE supply remains constrained across all products. For COVID-19 testing, offering multiple products for qPCR/RT PCR reagents, swabs, viral transport media, plates, kits, etc. Can source nitrile gloves, price increased effective October 1, 2020. Offering BD Veritor rapid antigen testing system, other universities have purchased these units. Encouraging customers to place smaller orders, 5-10 per order. Can work with Pitt customers to release pipette tips from allocation due to strong historical purchase history. Provide
order confirmation numbers to your VWR rep to have these products made available. Customers encouraged to place orders of 4 or fewer cases per order for best chance at receiving order quantities. ULT freezer lead-times are 12 weeks and growing. Contact VWR to discuss options to purchase new or “B” grade freezers. (unchanged from last report)

- W.W. Grainger – Ethanol supply chain disrupted in the production of hand sanitizer. Packaging materials are also in short supply and shipping containers are mildly delayed. Working with GP to set up shipment of 100 cases of alcohol-based hand sanitizer to Facilities Management in January. (unchanged from last report)