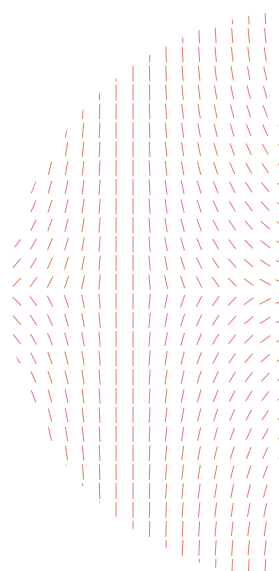




Labware PrepTM Services

**SPEND TIME ON SCIENCE,
NOT ON LABWARE PREP.**



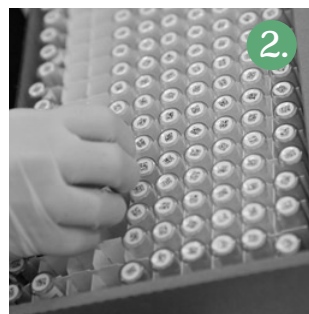
COMPUTYPE[®]
where tracking meets success

Turning ID challenges into savings.

CERTAINTY, TRACKED TO WHEREVER YOU PLACE YOUR LABELS.

With Computype's Labware Prep™ Services, containers arrive pre-marked with your specific identifiers – including variable data – allowing for major time, budget, staffing, and inventory savings. This solution meets all your needs with a tried-and-true pressure sensitive label, innovative cured ink technology for plastic and glass, and a variety of permanent IDs. Receiving prepared labware is the preferred choice for organizations focused on pharmaceutical development, biotechnology, and compound storage as it not only allows for a reduction in time and labor spent on preparation, but lowers opportunity for human error, boosts compatibility with automated workflows, integrates customer data back into your LIMS and more.

Your specific needs, combined with our barcode sequence management service, global account management, and strict quality standards ensure that you'll be spending more time on scientific activities, and less time worrying about labware and labeling.



1. Pre-marking of containers
2. Labware sourcing and procurement
3. Precision tare weighing
4. Custom packing and kitting

Compatible with a range of labware.



- Tubes and vials
- High recovery vials
- Headspace Vials
- Microscope slides
- Microwell plates
- Caps & closures
- Other labware

Developed to withstand harsh environments.



TEMPERATURES:

- Oven 500°C
- Autoclave 122°C
- Incubator 40°C
- Refrigerator 4°C
- Freezer -20°C
- Deep Freeze -80°C
- Vapor Phase -170°C
- Liquid Nitrogen -196°C



CHEMICALS:

- DMSO
- Methanol
- Acetone
- Isopropyl Alcohol
- Xylene
- Staining

With Labware Prep™ Services you gain access to advanced marking technologies in addition to traditional pressure sensitive labels.

Our team of technical representatives and engineers will discuss the details of your processes and lab environment to ensure you're matched with the most reliable marking technology for your specific needs and application.



PRESSURE SENSITIVE LABELS

- Suitable for plastic or glass containers
- A cost-effective option
- Resistant to common lab chemicals like DMSO, methanol, acetone, isopropyl alcohol, water
- ID options include side (linear barcode) and bottom (2D)



CURED INK

- Barcode or image printed directly on your container utilizing Computype's proprietary technology
- Suitable for both glass and plastic containers
- Can be tare weighed, with no change in weight over time
- Full color marking allows for further ease of identification



LASER IDENTIFICATION

- A laser is used to apply the marking to a container
- Suitable for various surfaces including plastic, glass and, metal
- A high-durability ID solution
- Can support stable tare weight



FUSED IDENTIFICATION

- Markings that survive the life of the container – ideal for long-term storage of compounds or biological specimens
- A cost effective permanent marking option
- Suitable for glass containers only
- Can be tare weighed, will not change weight over time



CERAMIC IDENTIFIERS

- Identifier is fired into the container, permanently bonding with the glass
- Suitable for glass containers only
- Ideal for long-term storage of compounds or biological specimens
- Can be tare weighed, will not change weight over time

How does this program work?

Our Labware Prep™ Services release labs and lab personnel from a host of tasks, so the facility can concentrate on its most productive work. Labware is delivered:

PROCURED – containers can be sourced according to you or your customers' specifications – Computype can recommend the best solution to match process demands and budget, or use validated labware that doesn't disrupt the current process.

BARCODED – Computype manages your sequences, ensures no duplicates, guarantees consistently precise placement of codes for automation compatibility, and provides the proper code symbology for your application.

TARED – as an option, when labware arrives with the first round of tare weighing out of the way, your skilled scientific staff are relieved of a laborious and nonvalue added task. After labeling or marking Computype can weigh your containers and provide an output file for easy reference.

PACKAGED – custom sorting, packing and kitting services mean labware is ready for use upon delivery, to your or your customers' specifications, for example:

- Receive plastic tubes in one bag and caps in another so containers are ready to be filled with sample materials, capped and processed or stored.
- Color-coded labware with matching 2D barcoded caps, can be capped, organized sequentially and grouped together in individually packaged kits to keep things organized.

FILLED & CAPPED – Computype can pre-fill and seal or cap your labware with preservatives or other solutions to streamline your logistics.

DNASE/RNASE CONTROLLED – if needed, labware is processed in a Nase-controlled environment to prevent contamination. Labware being labeled in these rooms regularly passes RC-STP-0257 with a detection limit of 8×10^{-7} Kunitz unit/ μL and 1.9×10^{-10} Kunitz unit/ μL for RNase and RC-STP-0325 to demonstrate Deoxyribonucleic Acid (DNA): <0.6 ng human genome DNA.

RFID TRACKABLE – Computype can embed virtually any type of RFID tag into your labels for the ultimate in non-line-of-sight tracking and traceability.

ORDERED – for ongoing needs, receive your labware automatically produced and delivered based on your usage rate.



Commitment, meet continuous improvement.

**COST-EFFECTIVE SOLUTIONS, TRACKED TO CONQUERING
INSURMOUNTABLE PROBLEMS.**

This Computype customer is one of the largest cell and DNA repositories in the world. Their primary focus is to support scientific research in finding cures for complex genetic diseases.

Working directly to receive samples from over 500 domestic and international collection sites, this repository also supplies transformed human cell lines, DNA, RNA, and other biomaterials to researchers targeting genetic causes for disease management. Over the last ten years, this repository has produced over 200,000 cell lines and distributed more than 600,000 DNA samples and biomaterials to NIH- approved investigators.

While tracking samples with linear barcode labels proved to be properly managing their collection, the time spent by lab staff to manually apply these labels was quickly confirming inefficient labor costs. However, there was no doubt that a reliable identifier was needed for each sample, as the sheer volume & critical nature of the sample contents merited an uninterrupted audit trail as cell lines move from production to cryogenic storage. In addition to efficiencies, another primary concern was cost. As many of the repository's contracts are based on government bids awarded in multi- year terms and established with fixed costs, an affordable solution was an absolute necessity.

Computype proposed Labware Prep™ Services as a means of boosting efficiencies & eliminating hand labeling from the day to day activities of researchers. Not only did this solution eradicate the need for using pressure sensitive labels altogether, but the use of a cured ink 2D code also freed up valuable real estate on the container while at the same time ensuring a consistent identifier. The second piece of the solution came from Computype's partnership with the glassware manufacturer. The customer's willingness to modify their process enabled Computype to directly procure the needed labware from the manufacturer, ultimately saving the repository shipping expenses and paperwork, while decreasing turnaround times.

In less than six months from conception to implementation, the repository was receiving regular shipments of pre-marked ampules, packed in sequential order for ease of use. The solution was completed within budget, on time, and integrated seamlessly into current lab operations. In the words of the repository manager: "Computype produced a product that represented a cost-effective and expedient solution to what had appeared to be an insurmountable problem."

“

Computype consistently provides the best labeling solutions for us because they took the time to learn our applications.

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We don't have to worry about things like labels, barcodes, container sourcing or weight, because Computype does all of that for us.

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For more information visit

COMPUTYPE.COM