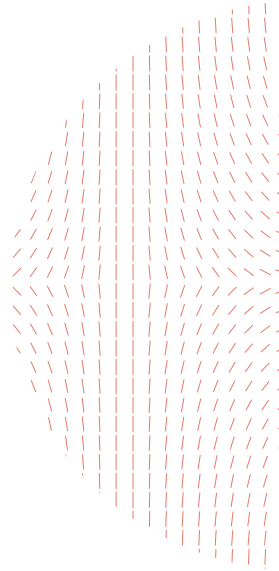


Pre-barcoded Labware

WHERE SPECIFIC NEEDS
MEET CUSTOM SOLUTIONS.



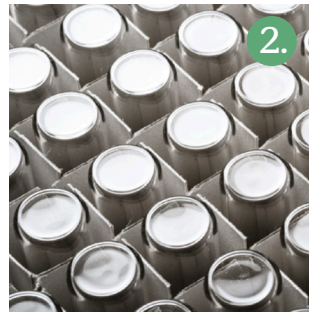
COMPUTYPE[®]
where tracking meets success

Where ID challenges meet the evolution of tracking.

CERTAINTY, TRACKED TO WHEREVER YOU PLACE YOUR LABELS.

With Computype's Pre-Barcoded Labware, containers arrive pre-identified and pre-marked, allowing for major time, budget, staffing, and inventory savings. This solution meets all your needs with a tried-and-true pressure sensitive label, innovative direct mark technology for plastic and glass, and fired-on ceramic permanent IDs. The Pre-Barcoded Labware flexible service program is the preferred choice for organizations focused on pharmaceutical development, biotechnology, and repository storage.

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

Vial, meet versatile.

**YOUR LAB MATERIAL,
TRACKED TO MATERIALIZE SUCCESS:**



LABWARE:

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

Harsh environments, meet extreme performance.

TESTING REQUIREMENTS, TRACKED TO RESILIENCE:



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

Facility, meet facilitation.

CHALLENGES, MEET GAME-CHANGING TECHNOLOGY.

The READY Labware Services program releases labs and lab personnel from a host of tasks, so the facility can concentrate on its most productive work. Labware is delivered:

ALREADY 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.

ALREADY BARCODED – Computype manages your sequences, ensures no duplicates, and delivers barcoded containers to suit specified needs.

ALREADY TARED – adding tare weighing to your releasing skilled scientific staff from a laborious and nonvalue added task. After labeling or marking Computype can weigh your containers and provide an output file for easy reference.

ALREADY SORTED – custom 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
- Ensure glass containers are safely transported by including inserts in corrugated packaging.

Challenges, meet game-changing technology.

BARCODE ID SOLUTIONS, TRACKED TO ABSOLUTE ACCURACY.

With the Pre-barcoded Labware you have the choice of three barcode identification solutions, making it easy to specify the right ID method based on cost, container type, and the demands of specific lab processes.



PRESSURE SENSITIVE LABELS

- Specially engineered, harsh environment labels are precisely applied to your containers
- Suitable for plastic or glass containers
- A cost-effective option when a permanent solution is not required
- Can be tare weighed
- Unaffected by temperatures ranging from 122°C to -196°C
- Resistant to common lab chemicals like DMSO, methanol, acetone, isopropyl alcohol, water
- ID options include side (linear barcode) and bottom (2D)



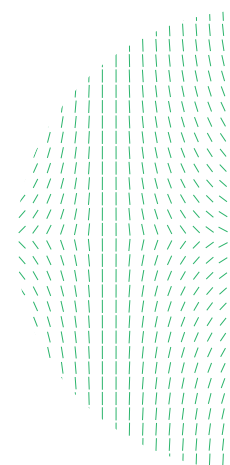
DIRECT MARK

- Barcode or image printed on container utilizing Pre-barcoded Labware's proprietary Direct Mark technology
- Suitable for both glass and plastic containers
- More permanent ID solution vs. pressure sensitive labels
- Can be tare weighed, with no change in weight over time
- Unaffected by temperatures in the range of 200°C to -196°C
- Resistant to common lab chemicals like DMSO, methanol, acetone, isopropyl alcohol, water
- A mid-price solution with many of the benefits of more expensive ID options
- Full color marking allows for further ease of identification



CERAMIC IDENTIFIERS

- Identifier is fired into the container, permanently bonding with the glass
- Suitable for glass containers only
- A truly permanent mark that survives the life of the container
- Can be tare weighed, will not change weight over time
- Unaffected by temperatures in the range of 500°C to -196°C
- Resistant to common lab chemicals like DMSO, methanol, acetone, isopropyl alcohol, water
- ID options include side (linear barcode) and bottom (2D)



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 the READY Labware Service program 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 direct mark 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