

Sample Storage Systems

REMP Small-Size Store™ (SSS)

The REMP Small-Size Store™ (SSS) is a fully automated sample storage and retrieval system that fits perfectly into any research laboratory. The REMP SSS complements existing sample storage systems and is an ideal entry-level storage solution for applications in pharmaceutical, agricultural, biotech or other Life Science research. It can work with the innovative REMP Tube Technology™ or store ANSI/SBS compatible plates.

Previously, the high quality REMP sample processing and storage concepts had been restricted to large research facilities with very demanding capacity and throughput requirements. Now, with the Small-Size Store™ (SSS), smaller research operations no longer need to compromise sample integrity during storage and can benefit from more efficient sample logistics from the inherent design of the REMP Tube Technology™.

The integrated unique “punching” technique, where individual tubes are directly transferred from storage tube racks into delivery tube racks for collecting and reformatting/re-arranging, known as “cherry-picking”, is done within the environmentally controlled storage system. It is faster and more reliable compared to conventional pick and place methods. Eliminating potential cross-contamination or dilution effects.

Multi-purpose

In addition to REMP’s Tube Technology™ consumables, the REMP SSS can store and retrieve numerous other microplate types, which conform to the ANSI/SBS Microplate Standards, such as those used for temporary storage of prepared mother plates for screening.

Scalability

Future growth of sample libraries is often difficult to predict. Adding up to two extension units to the Small-Size Store™ triples the storage capa-

city with minimal initial investments. These units can also be relocated within your facility if there is ever the need to move them.



I Technical Details



SSS features and benefits:

- Proven technologies, easy to install and fits in every lab
- "Cherry-picking" of individual tubes is performed within the environmentally controlled storage system – no freeze/thaw cycles on samples

- Typical storage temperatures include: -20°C or $+4^{\circ}\text{C}$
- Easy to install and use Control Software (PC based)
- Capacity is scalable by adding extension units
- Consumables can be loaded/unloaded manually or the store can be fully integrated with any automated liquid handling system
- User interface fully integrated into the REM P Sample Administration Software (SAS). SAS can be integrated with other software via Web services
- Intuitive operation directly via touch screen monitor by fingertips or screen pen. Alpha/numerical data input via virtual keyboard and manual barcode scanner

- Fully compatible with the Tecan Freedom EVOware® user interface

Easy Service Access

Every instrument needs service and maintenance. The SSS is designed for easy service access resulting in quicker servicing and shorter instrument downtime. Cassette racks within the SSS can also be removed entirely and transferred to another manual freezer within minutes, if there is ever the need to service the entire system.



Technical Specifications:

- Dimensions W: 1,280mm (4'2"), D: 1,400mm (4'6"), H: 1,992mm (6'6")
- Weight 600kg / 1320 lbs (approx.)
- Power: 230V / 50Hz, 208V / 60Hz
- Typical storage temperatures: -20°C (-4°F), $+4^{\circ}\text{C}$ ($+39^{\circ}\text{F}$)

Supported REM P Tube Technology™ or other formats and capacity

- 1,060 REM P 384 Storage Tube Racks (40 μl sealed) or Shallow well Plates
- 860 REM P 96 Storage Tube Racks 300 (200 μl capped, 300 μl sealed) or 1/2 Deep Well Blocks
- 500 REM P 96 Storage Tube Racks 900 (800 μl capped, 900 μl sealed) or full Deep Well Blocks

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