

## Consumables

# REMP Tube Technology™

REMP Tube Technology™ consumables offer researchers a unique, efficient and unprecedented solution for managing samples. The use of these consumables virtually eliminates the risk of sample degradation arising from multiple freeze/thaw cycles by providing the flexibility of random, rapid and individual selection and arrangement of only needed samples under controlled temperate conditions.

Individual tubes can be randomly accessed and rapidly transferred to any position in its respective Destination Tube Rack by reliably being “pushed” or “punched” downwards from one rack to another which eliminates cross-contamination and dilution effects and maximizes speed during reformatting.

REMP Tube Technology™ consumables are comprised of individually sealed or capped tubes secured within their own Tube Rack and conform to several of the ANSI/SBS Microplate Standards.

The patented tube transfer technology greatly improves the reliability of tube handling and can be done under environmentally controlled storage conditions, which occurs in all REMP Storage Systems, or under ambient conditions on a laboratory bench using the REMP Tube Punching Module™ (TPM).



### Features and Benefits:

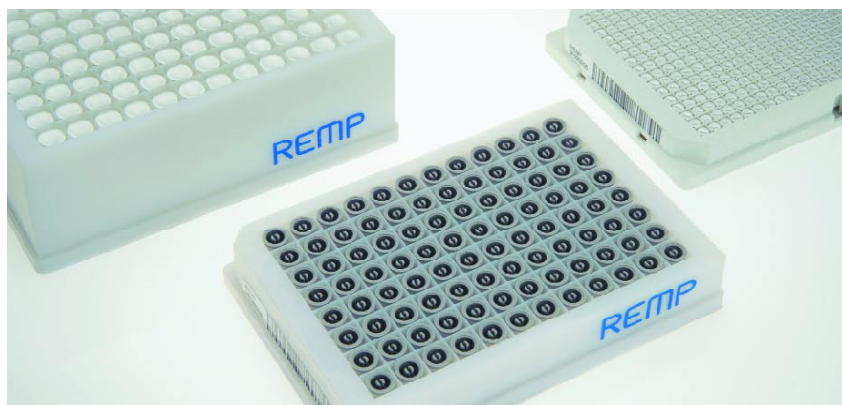
- Random access to sample – allows for reformatting of samples for use in sample profiling, secondary hit confirmation and target focused sub-libraries, as well as primary screening, genomics, forensics or other applications
- Minimizes freeze/thaw cycles on sample
- Eliminates cross-contamination, dilution effects and exposure to air while lowering overall cost and time compared to septum piercing, disposable tip exchange or tip washing
- Piercing Lids are available which further enhance sample accessibility by creating the greatest opening for disposable tips
- 384/96 tubes can be individually heat sealed – offering the best sample protection
- Optional 2D DataMatrix code for redundant tube verification and tracking
- Tubes made of DMSO resistant, inert, medical grade polypropylene material and can be used at temperatures ranging from ambient to –80°C

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### REMP 384 Tube Technology™

#### Consumables

The REMP 384 Tube Technology™ consumables were developed to reduce sample degradation which often occurs with multiple freeze/thaw cycles when accessing samples within conventional storage containers. Samples can be divided into multiple aliquots in individual Storage Tubes, each containing just the right volume for single use and thawed once just before use, instead of being stored in a traditional, larger volume container.



#### Additional Features and Benefits:

- Low working volume of up to 40µl and minimal dead volume of 2µl
- Tubes are individually heat sealed – offering the best sample protection
- Single-use, low cost per tube



### REMP 96 Tube Technology™

#### Consumables

The REMP 96 Tube Technology™ consumables were also developed to reduce sample degradation due to multiple freeze/thaw cycles while allowing samples to be stored at higher initial volumes. These consumables can be either individually sealed, for single use, or capped in an automated or manual fashion for multi-access.

The REMP 96 Tube Technology™ is compatible with REMP's Automated Storage Systems and other instruments that typically work with racks in a 96-position format. REMP also offers a full line of complementary devices, like Capping/Decapping devices for single caps, rows of caps or complete Tube Racks, Seal Piercing devices and consumables or a 2D DataMatrix Code Reader, all of which contribute to the efficiency and reliability of this technology.

#### Additional Features and Benefits:

- Various nominal working volumes and minimal dead volume\*:
  - STBR96-300 – sealed: 300µl, capped: 200µl
  - STBR96-900 – sealed: 900µl, capped: 800µl
- Various ways of securing sample in Storage Tubes:
  - Can be individually heat sealed using proven REMP Thermo-Seal materials
  - Can be individually capped using REMP Capmat96 Grey at temperatures down to –80°C
- Single- or Multi-use, low cost per tube

\* Nominal working volumes can be influenced by media and temperature conditions.

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sample management