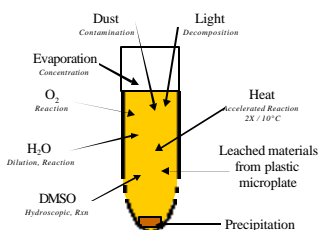


How Exposed Are Your Compounds?

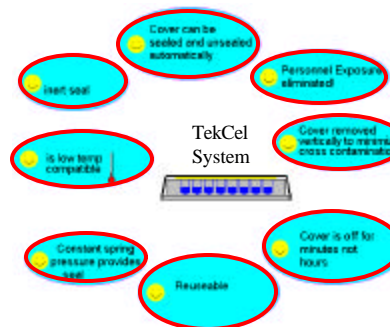
W. Steven Fillers, Ph.D., Andrée Proulx and Marsha Paul, TekCel, Inc., Hopkinton, MA

Compound Exposure (Unsealed Microplate Well)



The integrity of compounds stored in DMSO diminishes in proportion to the exposure to conditions that degrade or compromise the original parameters. Many sealing technologies are available to minimize these effects however, all have negative attributes that limit high throughput or present safety hazards. TekCel introduces the SealTite automated microplate sealing system to address the shortcomings found in other approaches. SealTite covers can be attached and detached without contact by laboratory personnel. The inert environment provided by the TekCel's PlateStore and PlateServer units ensures longevity of valuable compounds. The architecture minimizes compound exposure during retrieval and offers optimal utilization of every microliter of compound libraries.

How Long Are Your Compounds Exposed? (Before and During Process)



Sealing and Unsealing



Comparison of Sealing Technology

	Loose Lids	Adhesive Seals	Heat Seals	Cap Mats	Single Vial	SealTite
Reusable up to 25 times	✓					✓
Low Temperature Compatible (-20°C)	✓	✓	✓	✓	✓	✓
Minimizes Well-to-Well Cross Contamination		✓	✓	✓	✓	✓
Compatible With Automation	✓					✓
Maintains an Inert Environment Inside Plate						✓
Creates a Liquid Tight Seal		✓	✓	✓	✓	✓
Made of Inert Material	✓	✓	✓	✓	✓	✓
Degrades Storage Container		✓	✓	✓	✓	✓
Minimal Compound Waste						✓
Presents Safety Hazard During Removal		✓	✓	✓	✓	✓



SealTite eliminates the need to generate multiple copies of your compound library. It leaves no adhesive residue on your microplates and it does not melt or warp your storage microplates. The TekCel storage and retrieval solution is a completely automated approach to compound handling that removes exposure to hazardous materials.