



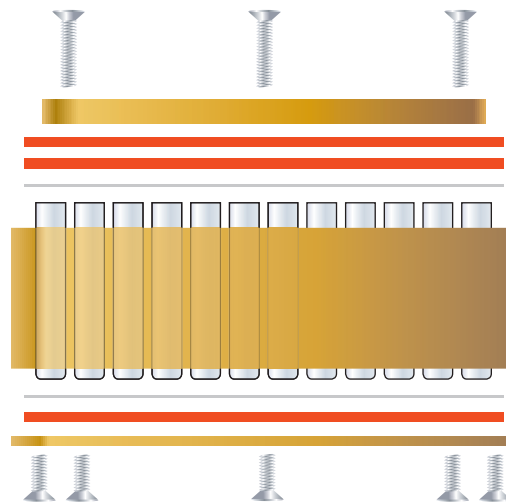
## Set-up Instructions



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# Photoredox/Parallel Synthesis 24 and 96-Well Block Set-up



## Sealing the Plate - Rubber Mats

- **Sealing the plate properly is critical to reaction success and is an evolving process**

### – Sealing mats:

- **Silicone rubber mats** - Plates use 2 orange silicone rubber mats on top, and one on the bottom to provide compression sealing
- **PFA Mats** - One chemically compatible teflon PFA mat is used on top to provide seal, and one on the bottom to keep the glass reaction vials from sticking to the silicone rubber mats when heating

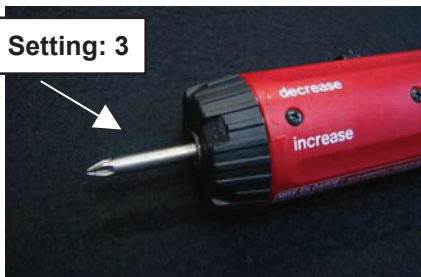
## Sealing the Plate - Screwing Down Cover

- **Sealing the plate properly is critical to reaction success**

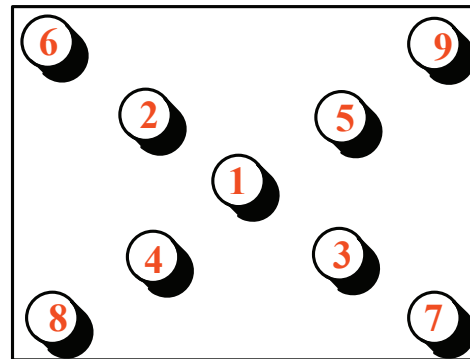
- Procedure for screwing down the plates - even pressure, not too tight, keeping top cover flat

- **Initially flush:** Insert screws until flush (but not tight), following the cross pattern shown at right. To ensure cover plate is level and secure, do not tighten screws until all screws are inserted and flush.
- **Then tightened:** Using torque control with a **setting of 3**, proceed with two rounds of tightening, following the same cross-pattern.

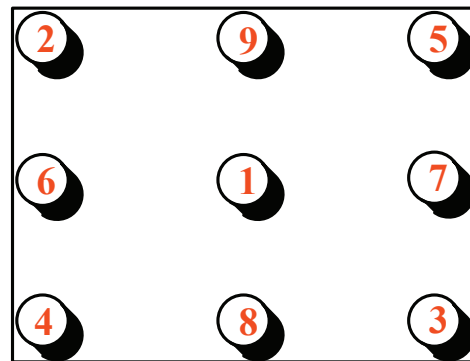
Torque Setting: 3



- **Added step for 96-well block only:** *Hand tighten* in the same cross-pattern until tight.



Screw pattern for  
**24-Well Reaction Plates**



Screw pattern for  
**96-Well Reaction Plates**