



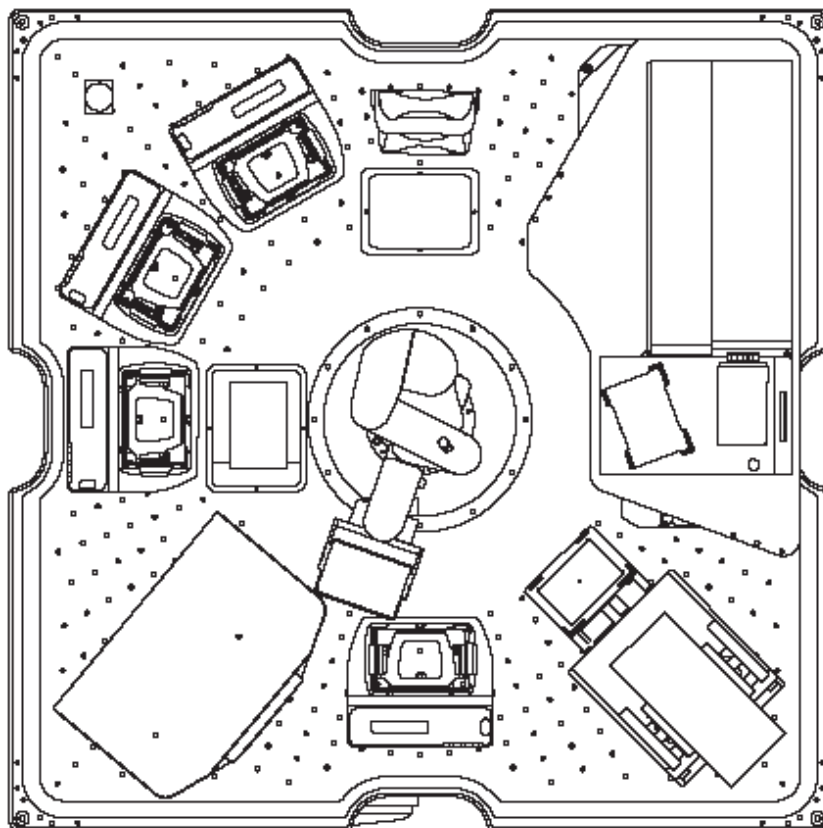
Plate Replication System

Many applications in the Drug Discovery process benefit from having compound plates generated on a dedicated system. The Element plate replication platform transfers compounds from shallow well, deepwell or tub racks, 96 or 384 format, to 96, 384 or 1536 well destination plates. The versatility of the VPrep allows for all possible combinations of plate formats, and it has outstanding liquid handling performance in a wide volume range (0.5ul to 200ul).

In a typical protocol, Source plates are identified via barcode-reading on the VCode and centrifuged in the VSpin prior to pipetting.

Both source and destination plates are placed on the VPrep for liquid transfer and sealed on the Plateloc (thermal plate sealer) afterwards. The destination plates receive barcode-labels on the VCode and are centrifuged before final storage.

This system has a plate capacity of 180 plates on deck and 42 plates below deck in an environmentally controlled environment (Cytomat C2).



Module List

Component	Quantity	Function
VPrep	1	Low volume compound transfer
VCode	1	Plate identification and labeling
PlateLoc	1	Thermal plate sealer
VStack	4	60-plate/stack storage
VSpin + Access2	1	Front loading plate centrifuge
PlateHotel	1	Random access plate storage
Incubator	1	Below deck plate storage (42 plates)