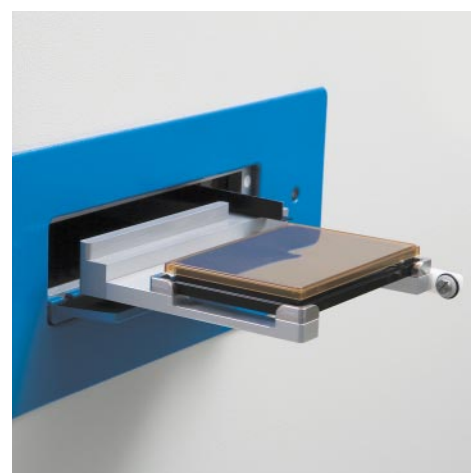
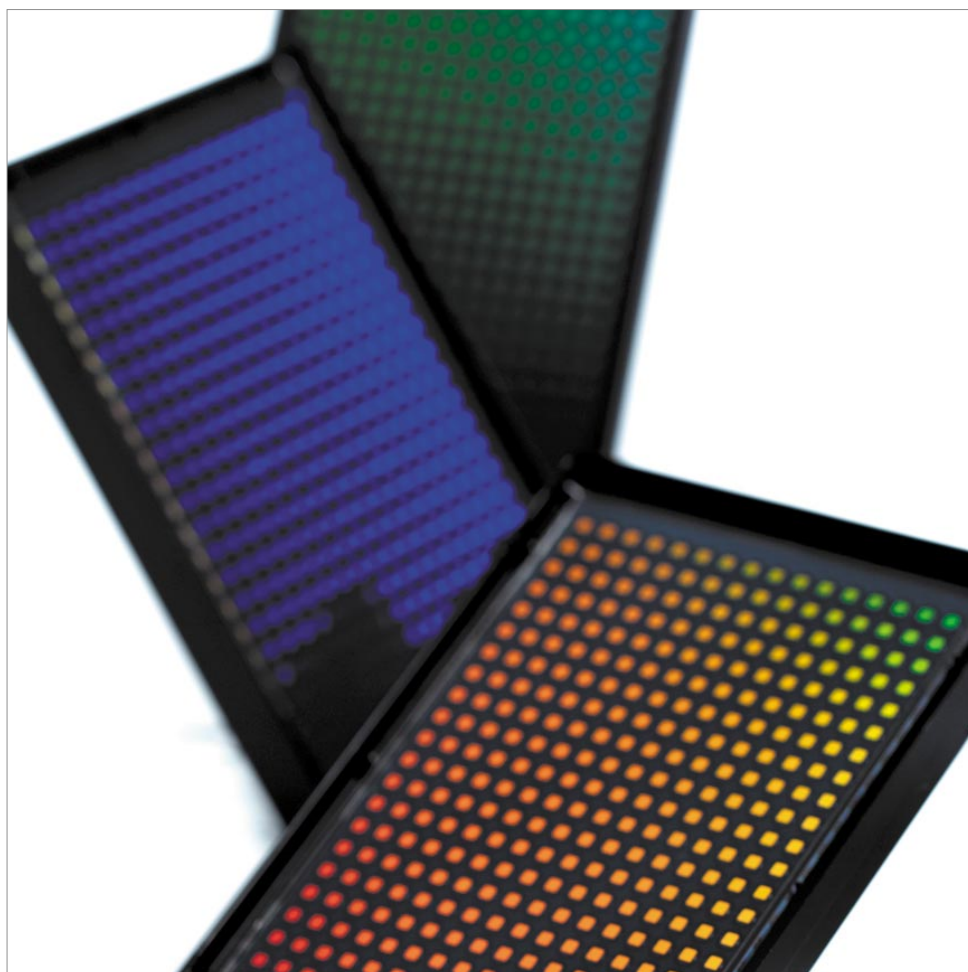


Corning® Epic® 384-Well Biochemical Assay Microplate

The Corning® Epic® 384-Well Biochemical Assay Microplate is an SBS standard 384-well microplate with an optical biosensor integrated into each well and has been designed for use in the Corning Epic System for high content or high throughput label-free detection. Each sensor is coated with a pre-activated surface chemistry based on polymeric maleic anhydride groups, which enables covalent attachment of protein targets via primary amine groups.

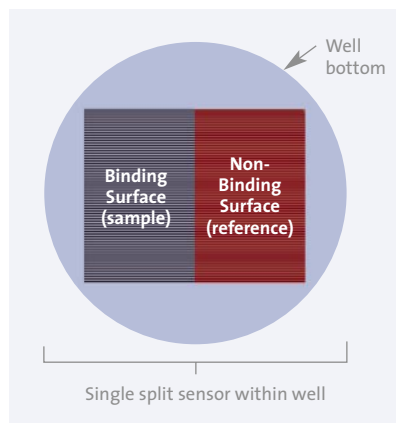


CORNING

Epic[®]
system

Corning® Epic® 384-Well Biochemical Assay Microplate

Dual-Sensor Self-Reference Technology



Each well of the Epic microplate also incorporates a patented dual-sensor self-referencing technology that creates a reference area where the target proteins do not attach. This in-well reference enables the Epic System to report a result that represents only the effects of analyte binding.

Epic Biochemical Applications

- ▶ High throughput primary and secondary screening
- ▶ Detection of direct biomolecular interactions
- ▶ Functional activity assays
- ▶ Affinity rank order comparisons

Example Assay Targets

- ▶ Proteins
- ▶ Small molecules
- ▶ Peptides
- ▶ DNA

Quality Control

- ▶ Each well factory tested for resonant wavelength
- ▶ Tested for ability to immobilize streptavidin and binding to biotin
- ▶ Differential drift rate compliance in assay buffer

Operating Parameters

Assay volume	15-30 µL typical
Maximum well volume	82 µL
DMSO tolerance	Up to 5%
Working pH range	4-10
Soak time	4 hours in buffer prior to assay is typical
Storage conditions:	Room temperature

Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
5041	Epic Biochemical Assay Microplate	1 plate/pk	10 pk/cs

CORNING

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