

Corning® Epic® BT System

Label-free Detection in a Benchtop System

CORNING

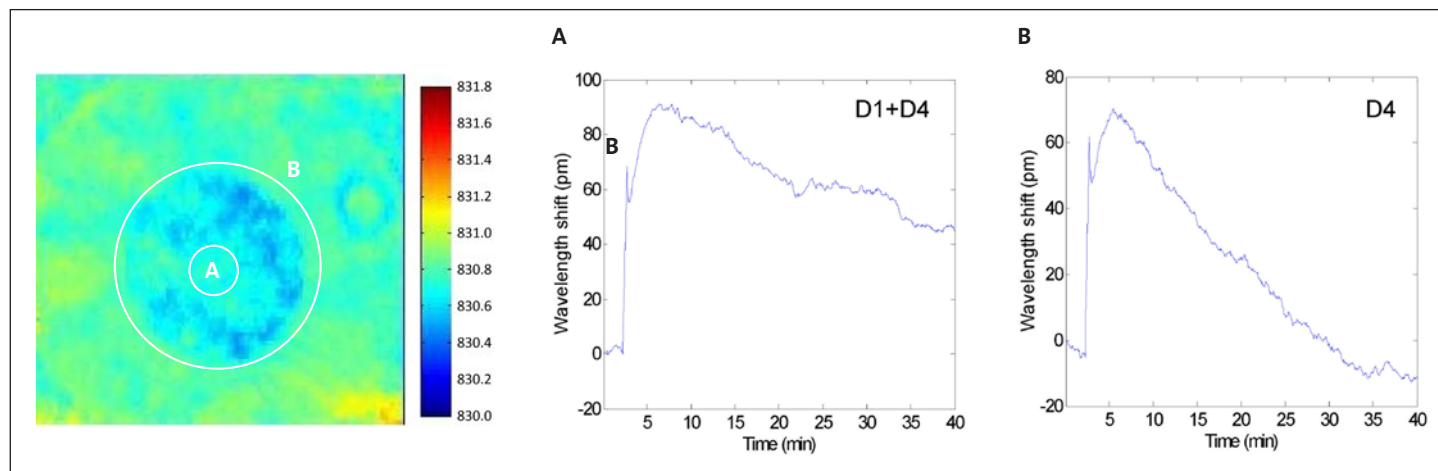
Features of the Corning Epic Benchtop System

- ▶ Whole microplate analysis using CCD detection of wavelength shift
 - No microplate movement, all wells analyzed simultaneously
 - Simple data collection software
 - 96-well and 384-well microplates
 - Cell-based and biochemical assays
 - Simplified detection: CCD instead of spectrometers
 - Three second microplate read time
- ▶ Compact and simplified instrument design
 - Minimal moving parts, reduced maintenance
 - Reduced footprint, can be placed in an incubator
 - Reduced cost for broader installation outside HTS core groups



Applications Enabled through CCD Detection

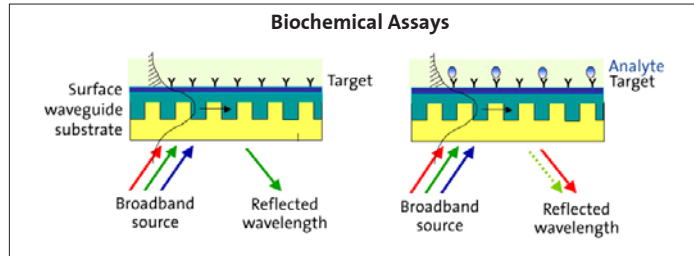
- ▶ Ability to work with sub-confluent samples and generate robust data even when the whole sensor is not covered
- ▶ Ability to work with precious cells where seeding at high density is either not desirable or not possible
- ▶ Ability to work with neuronal and other primary cells with extensive projections that partially cover the sensor area
- ▶ Ability to filter data from heterogeneous populations post-acquisition and improve overall data quality
- ▶ Rapid acquisition time (post-compound addition) to better interpret very fast biological events
- ▶ Ability to operate at 37°C inside any non-humidified laboratory incubator



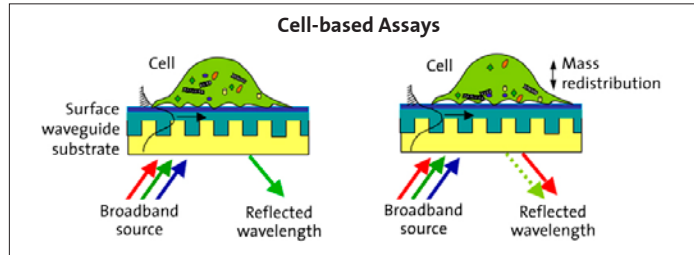
The Corning Epic BT system can potentially reveal unique biology at different points of the sensor. Stem cell-derived neuronal cells are heterogeneous. Cells in the interior (A) show Epic DMR signals for both D1 and D4 dopamine receptors; cells in the periphery (B) only show D4 receptors.

Overview of the Corning® Epic® Technology

Epic utilizes label-free detection to enable high-sensitivity biochemical and cellular assays.



Biochemical binding events cause index of refraction changes, resulting in a picometer wavelength shift.



Mass changes within a cell also cause index of refraction changes, resulting in a picometer wavelength shift. This is measured and reported as a dynamic mass redistribution (DMR) change.

Ordering Information

Corning Epic BT System and Microplates

Cat. No.	Product Description	Qty/Cs
5053	Epic BT system	1
5080	Epic 96-well cell assay microplate	10
5082	Epic 96-well cell assay microplate, fibronectin-coated	10
5040	Epic 384-well cell assay microplate	10
5042	Epic 384-well cell assay microplate, fibronectin-coated	10
5041	Epic 384-well biochemical assay microplate	10
5046	Epic 384-well biochemical assay microplate, user-activated	10
5047	Epic 384-well biochemical assay microplate, streptavidin-coated	10
5090	Epic 1536-well cell assay microplate	20
5091	Epic 1536-well biochemical assay plate, pre-activated	20
5092	Epic 1536-well cell assay microplate, fibronectin-coated	20
5097	Epic 1536-well biochemical assay plate, streptavidin-coated	20
5070	Epic 1536-well cell assay microplate	10
5071	Epic 1536-well biochemical assay plate, pre-activated	10
5072	Epic 1536-well cell assay microplate, fibronectin-coated	10
5077	Epic 1536-well biochemical assay plate, streptavidin-coated	10

For more information, please email epic@corning.com.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

Corning Incorporated Life Sciences

836 North St.
Building 300, Suite 3401
Tewksbury, MA 01876
t 800.492.1110
t 978.442.2200
f 978.442.2476

www.corning.com/lifesciences

Worldwide Support Offices

ASIA/PACIFIC

Australia/New Zealand
t 0402-794-347

China
t 86 21 2215 2888
f 86 21 6215 2988

India
t 91 124 4604000
f 91 124 4604099

Japan
t 81 3-3586 1996
f 81 3-3586 1291

Korea
t 82 2-796-9500
f 82 2-796-9300

Singapore
t 65 6733-6511
f 65 6861-2913

Taiwan
t 886 2-2716-0338
f 886 2-2516-7500

EUROPE

France
t 0800 916 882
f 0800 918 636

Germany
t 0800 101 1153
f 0800 101 2427

The Netherlands
t 31 20 655 79 28
f 31 20 659 76 73

United Kingdom
t 0800 376 8660
f 0800 279 1117

All Other European Countries

t 31 (0) 20 659 60 51
f 31 (0) 20 659 76 73

LATIN AMERICA Brasil

t (55-11) 3089-7419
f (55-11) 3167-0700

Mexico
t (52-81) 8158-8400
f (52-81) 8313-8589

CORNING | **FALCON** | **AXYGEN** | **GOSSSELIN** | **PYREX**

For a listing of trademarks, visit us at www.corning.com/lifesciences/trademarks. All other trademarks in this document are the property of their respective owners.