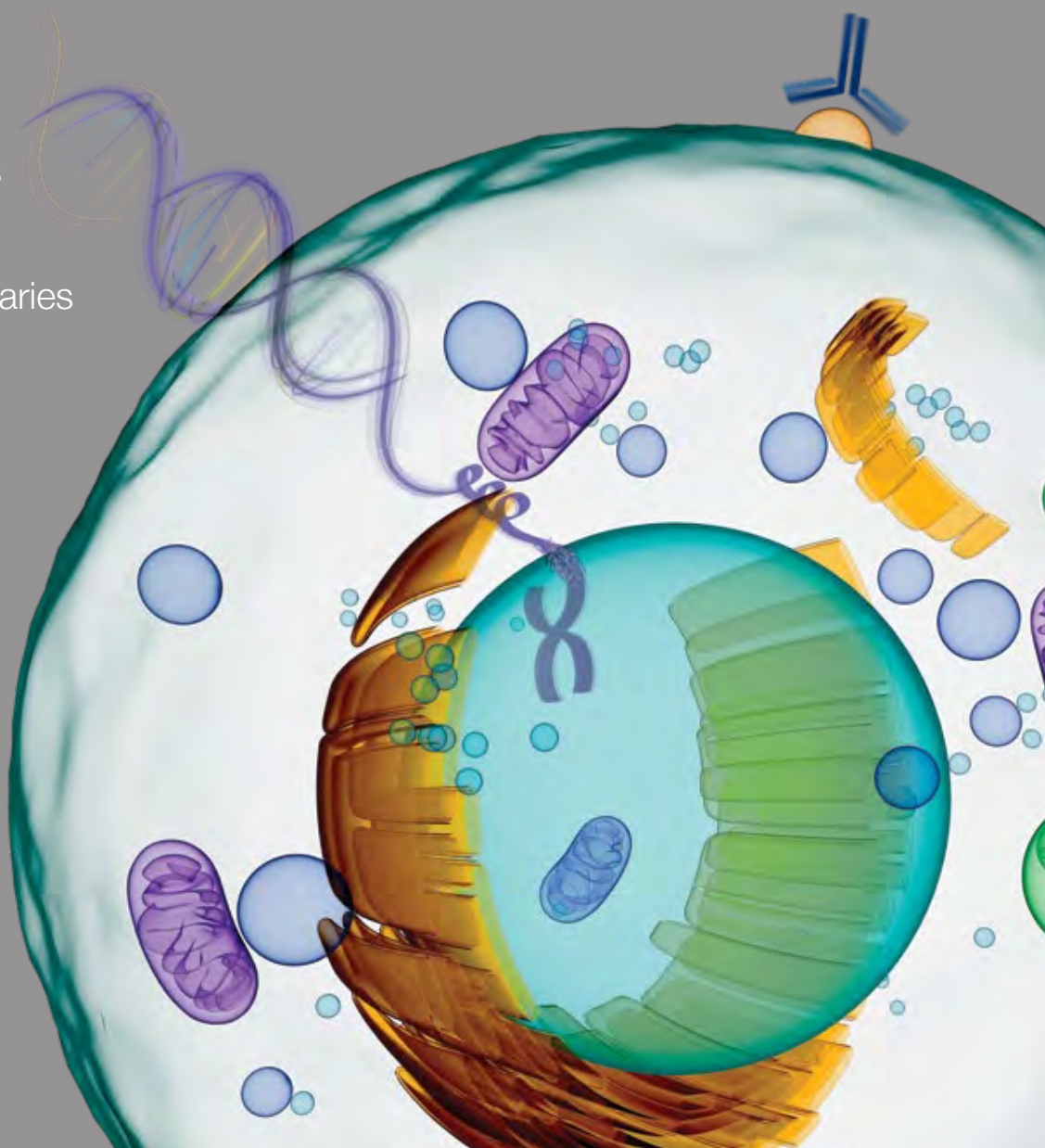




# Labeling & Detection

From Genome to Whole Cell

Antibodies  
Assays and Kits  
Biochemicals  
Compound Libraries  
Dyes/Labels  
Nucleic Acid  
Peptides  
Proteins



[enzolifesciences.com](http://enzolifesciences.com)

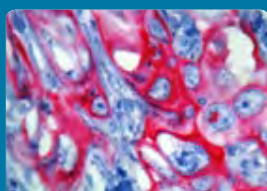


# PIONEERS IN LABELING & DETECTION



## GENOMICS

Microarray Labeling  
*In situ* Hybridization & FISH  
PCR & qPCR  
DNA Purification



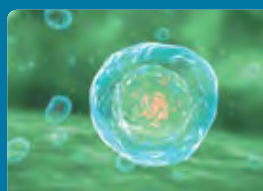
## IMMUNOHISTOCHEMISTRY

POLYVIEW® PLUS  
Detection Systems  
MULTIVIEW® PLUS  
Detection Systems  
HIGHDEF® Chromogens  
IHC Antibodies



## IMMUNOASSAYS & BIOCHEMICAL ASSAYS

Bioprocess Assays  
ELISAs  
Epigenetic Assays



## CELL BIOLOGY

CELLESTIAL® Fluorescent  
Dyes for Live Cell  
Analysis  
Antibodies & Proteins



## SMALL MOLECULE CHEMISTRY

SCREEN-WELL®  
Compound Libraries  
Activators & Inhibitors  
Natural Products &  
Biochemicals

## INTEGRATED TECHNOLOGY PLATFORMS

## OUR EXPERTISE

### Bioprocess



### Cancer



### Drug Discovery



### Epigenetics



### Immunology



### Metabolism



### Neuroscience



### Oxidative Stress



### Predictive Toxicology



### Vaccine Therapeutics



*Innovation through pioneering technology*<sup>SM</sup>

# INTEGRATED SOLUTIONS



## Genomics

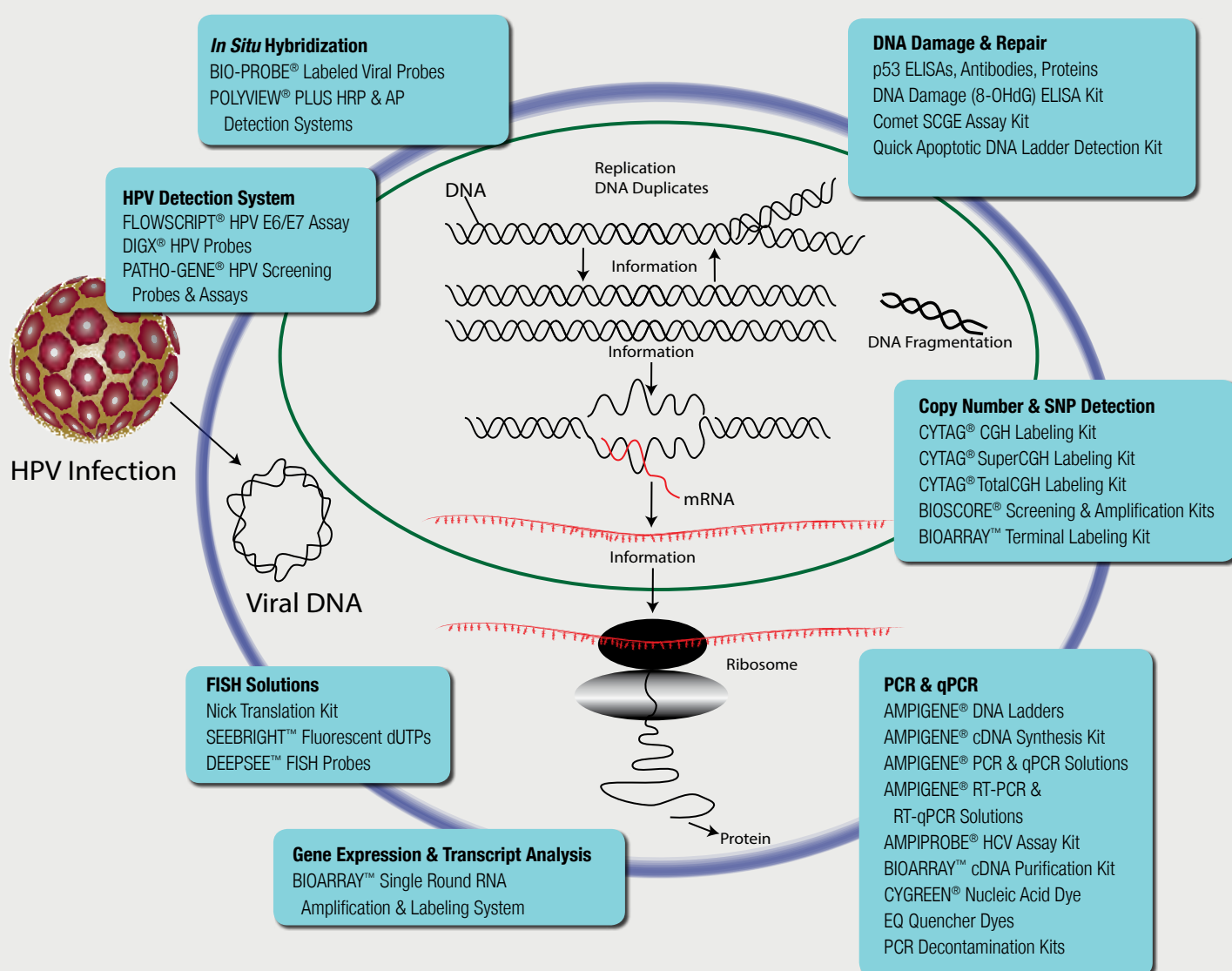
### Innovative Nucleic Acid Labeling

**Microarray Labeling:** Superior labeling for aCGH and gene expression arrays

**AMPIPROBE® Next Generation PCR:** Sensitive and efficient PCR-based detection and PCR reagents

**In Situ Hybridization:** Complete ISH and detection solutions

**FISH Solutions:** Modified nucleotides and Nick Translation Kit



# SUPERIOR LABELING & DETECTION

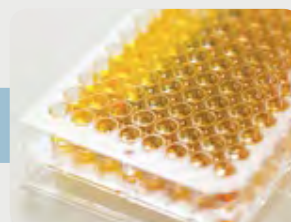
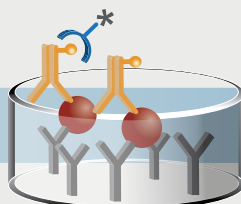


## Immunoassays and Biochemical Assays

**Superior Detection. Reliable Solutions.**

### ELISAs

- Over 300 high-quality ELISAs
- Highly sensitive and specific assays
- Reliable manufacturing ensures consistent results



### Detect Small and Large Analytes Accurately and Efficiently

**Steroid Hormone ELISAs:** High sensitivity and reproducibility for stress and fertility research

**Cyclic Nucleotide ELISAs:** Most sensitive cAMP/cGMP ELISA kits in the market for second messenger detection

**Bioprocess ELISAs:** Ideal solutions for contamination monitoring and protein optimization

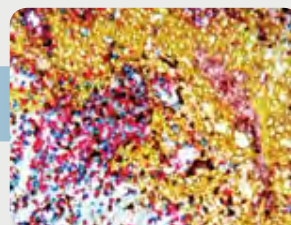
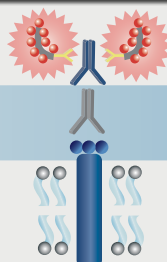


## Immunohistochemistry

**High Sensitivity. Low Background. Truer Results.**

### IHC

- High-sensitivity detection kits provide minimal background
- Broadest palette of high-quality chromogens
- Cost-effective solutions



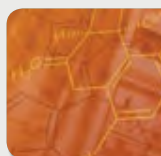
### Complete Solutions for IHC Detection

**POLYVIEW® PLUS Detection Systems:** Nanopolymer detection reagents deliver stronger signal and minimal background

**MULTIVIEW® PLUS Detection System:** Detection of multiple antigens in a single tissue sample

**HIGHDEF® Chromogens:** Provide bright colors and strong signal intensity

**Antibodies:** Over 1,000 IHC-validated antibodies



## Small Molecule Chemistry

**Streamline Your Screening Process**

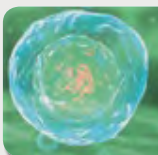
### SCREEN-WELL® Compound Libraries

- |                         |                     |                    |                     |               |
|-------------------------|---------------------|--------------------|---------------------|---------------|
| - FDA-Approved Drugs    | - Autophagy         | - Bioactive Lipids | - Cytotoxicity      | - Epigenetics |
| - ICCB Known Bioactives | - Kinase Inhibitors | - Natural Products | - Neurotransmitters | - Wnt Pathway |

**Over 3,000 compounds and small molecules**

**Bulk/Custom** sizes provide infinite possibilities for customization

# FROM GENOME TO WHOLE CELL



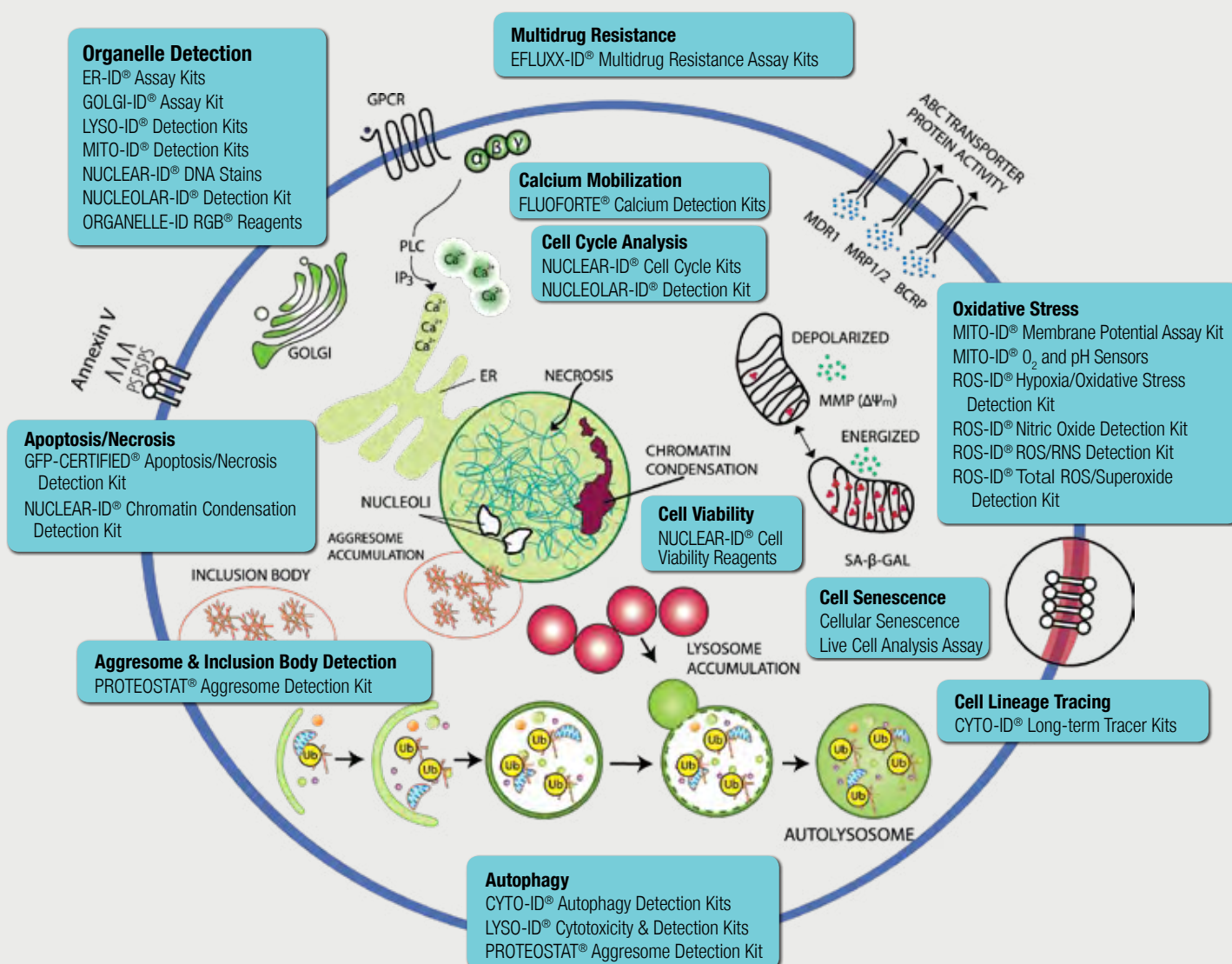
## Cell Biology

High-Specificity Fluorescent Probes, Antibodies, and Proteins

**Live Cell Analysis:** Our CELLESTIAL® dyes and kits provide high-specificity and low background

**Cell Death:** Comprehensive solutions for analyzing autophagy, apoptosis, and necrosis

**Oxidative Stress:** Cell-based assays for detecting ROS and superoxides as well as mitochondrial dysfunction



## Over 3500 Antibodies

- Rigorously validated for WB, IP, ELISA, IHC, ICC, IF, and flow cytometry
- Superb performance documented in thousands of peer-reviewed publications
- Bulk production and custom conjugation/formulation services
- Expanded utility provided by common fluorophore and enzyme conjugates
- Convenient secondary antibodies and positive control lysates and proteins



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