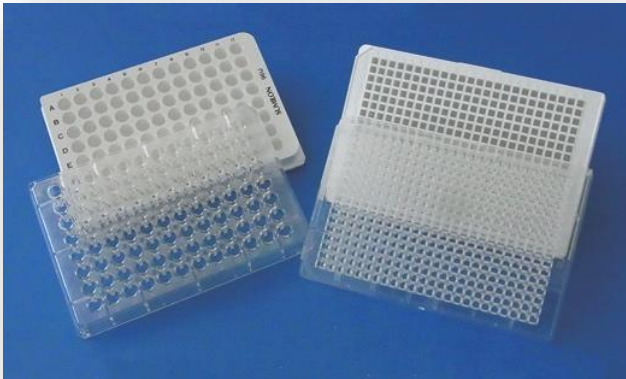


PrimeSurface®

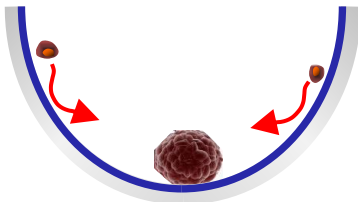
Bringing 3D Cells Culture for Reliable Anticancer Drug Screenings and Regenerative medicine

- High throughput drug screening
- Available in multiple formats include 384 well microplate

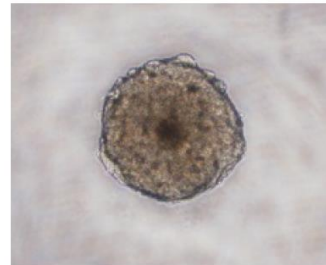


- Sterile, Ready-to-use, Individually packed
- Promotes uniform size, Single spheroid in one well
- Luminescent detection on same plate
- High volume well capacity
- Compatible with liquid handling systems

- Biocompatible hydrophilic polymer on the surface promotes cell aggregation



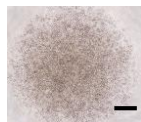
Single spheroid can be formed in each well



Spheroid formation can be observed easily

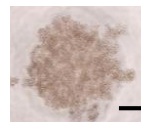
- Three well bottom shapes of 96 well microplate

MS-9096UZ

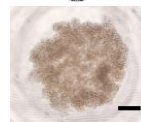


MDA-MB-453

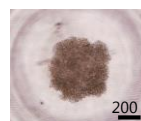
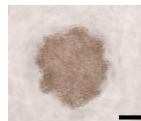
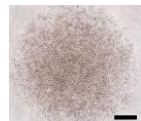
MS-9096MZ



MS-9096VZ



MDA-MB-468



Seeding Density : 2×10^3 cells/well,
Culture Medium : RPMI + 10%FBS,
Incubation : 37°C, 5%CO₂, Culture
Period : 7 Days
MDA-MB-453, MDA-MB-468 : human
breast cancer

Data are provided by Nishio Lab., Dept. of Genome Bio. Kinki Univ. Faculty of Medicine

Contacts: United States & Canada

info.s-bio@s-bio.com • www.s-bio.com • +1 (603) 425-9697 • 20 Executive Drive • Hudson • NH 03051

Europe & Other Countries

s-bio@sumibe.co.jp • www.sumibe.co.jp/english/product/s-bio/index.html • +81-3-5462-4831 • 5-8,
Higashi-Shinagawa 2-Chome, Shinagawa-ku, Tokyo, 140-0002, Japan

● **Application example : The difference of drug efficacy mode between 5-FU and TPZ**

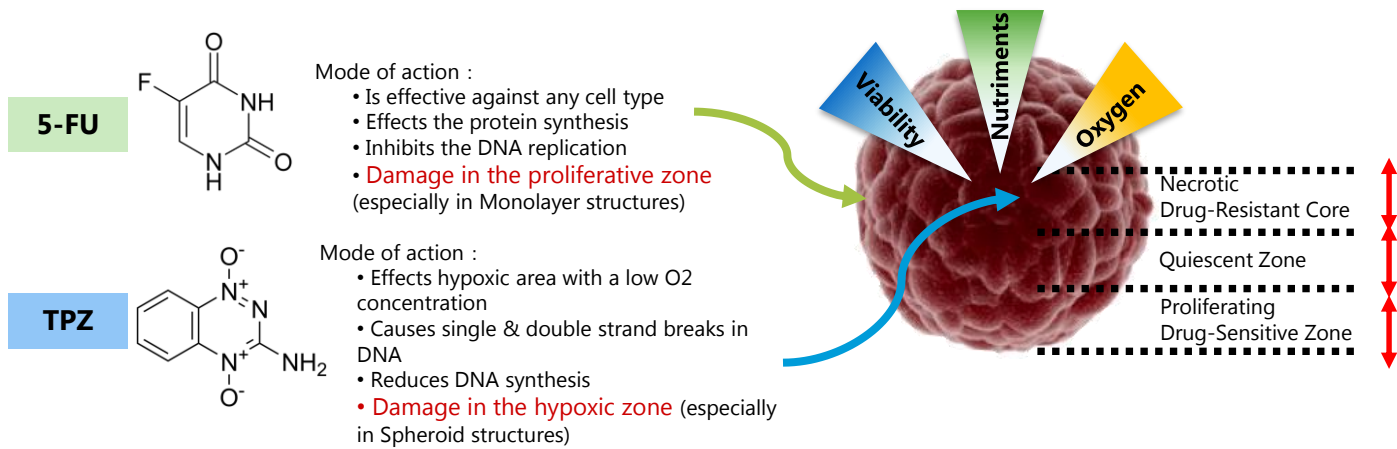


Figure 1. Comparison of mode of action between 5-FU and TPZ.

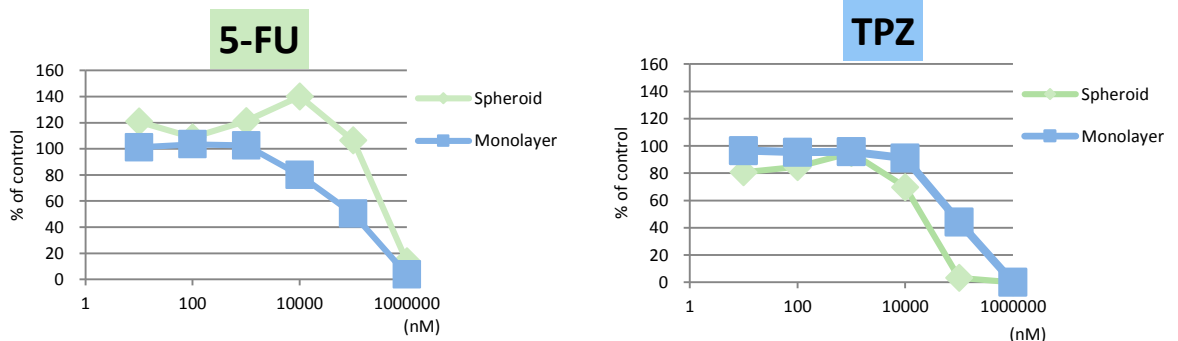


Figure 2. Comparison of Cell viability curve between 5-FU and TPZ

TPZ showed stronger effect in "Spheroid" than "Monolayer".
This experiment suggest 3D drug efficacy test environment could be reproduced with "PrimeSurface".

| | Cat. No. | Product Name | Well type | Color | Well bottom | Maximum well | Package |
|------------|-----------|------------------------|-----------|-------|----------------------------|--------------|--------------------------------------|
| Microplate | MS-9024XZ | PrimeSurface 24 well | 24 | Clear | Flat (1.8cm ²) | 3.4 ml | Individual package 10 plates/case |
| | MS-9096UZ | PrimeSurface 96U | 96 | Clear | Round | 300 µL | Individual package 20 plates/case |
| | MS-9096WZ | PrimeSurface 96W | 96 | White | Round | 300 µL | Individual package 20 plates/case |
| | MS-9096MZ | PrimeSurface 96M | 96 | Clear | Spindle | 200 µL | Individual package 20 plates/case |
| | MS-9096VZ | PrimeSurface 96V | 96 | Clear | V | 300 µL | Individual package 20 plates/case |
| | MS-9384UZ | PrimeSurface 384U | 384 | Clear | Round | 106 µL | Individual package 20 plates/case |
| | MS-9384WZ | PrimeSurface 384W | 384 | White | Round | 106 µL | Individual package 20 plates/case |
| Dish | MS-9035XZ | PrimeSurface dish 35mm | — | Clear | Flat (9cm ²) | — | 5/package 50/ case |
| | MS-9060XZ | PrimeSurface dish 60mm | — | Clear | Flat (21cm ²) | — | 10/package 100/case |
| | MS-9090XZ | PrimeSurface dish 90mm | — | Clear | Flat (57cm ²) | — | 10/package 50/case |
| | | | | | Flat (57cm ²) | | 10/package 50/case |

Contacts: United States & Canada

info.s-bio@s-bio.com • www.s-bio.com • +1 (603) 425-9697 • 20 Executive Drive • Hudson • NH 03051

Europe & Other Countries

s-bio@sumibe.co.jp • www.sumibe.co.jp/english/product/s-bio/index.html • +81-3-5462-4831 • 5-8, Higashi-Shinagawa 2-Chome, Shinagawa-ku, Tokyo, 140-0002, Japan