

YAMAHA CELL HANDLER™ accelerates High Throughput Screening



University of California
San Francisco

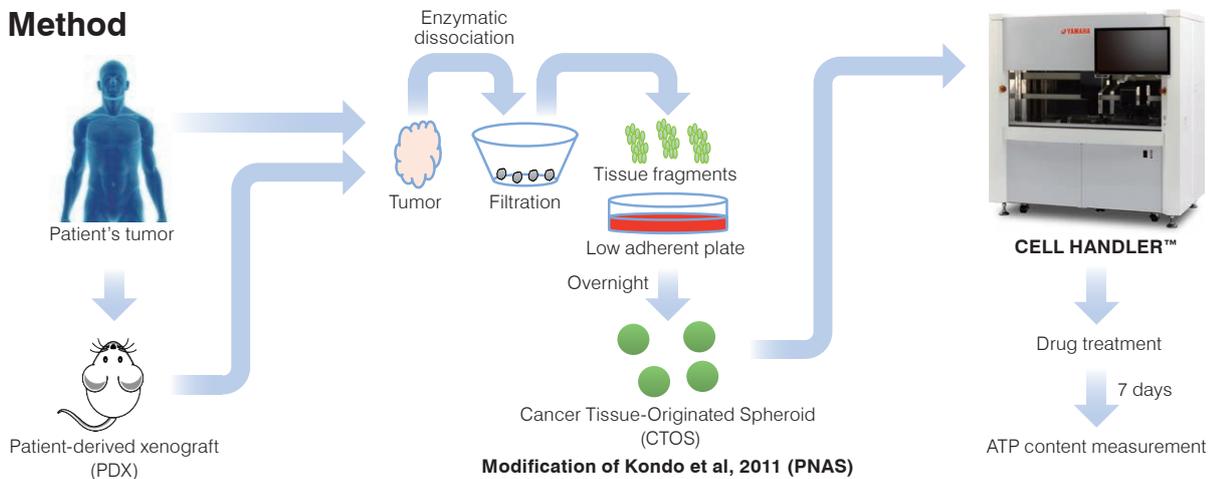
Application of YAMAHA CELL HANDLER™ in three dimensional (3D) culture- based drug screening of patient-derived cancer spheroids

Data provided by Dr. Warren

Introduction

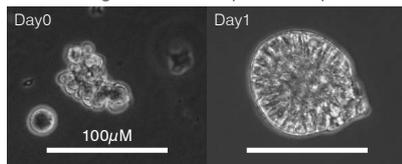
The drug screening based on three-dimensional culture or Organoids is a state-of-the-art in precision medicine. We applied the YAMAHA CELL HANDLER™ to moderate throughput drug screening against patient-derived cancer spheroids.

Method

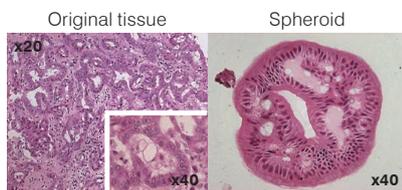


Results

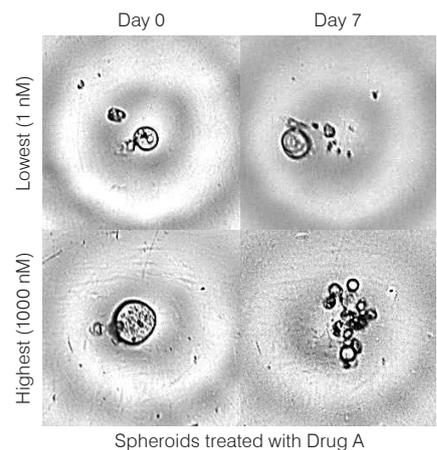
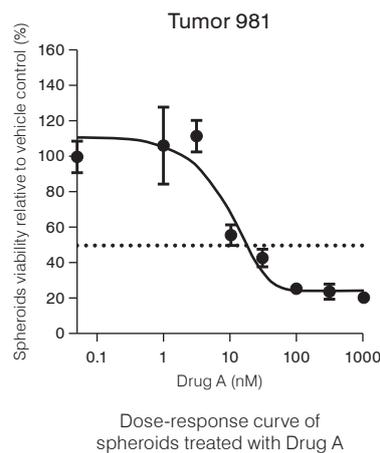
Tissue fragments round up to form spheroids



Bright field of the spheroids



H/E stain of the spheroids



Conclusion

YAMAHA CELL HANDLER™ is useful in rapid drug screening of patient-derived cancer spheroids.

