

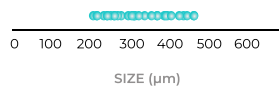


SHIFTING THE SIZE PARADIGM

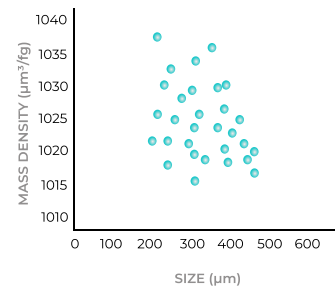
W8

The W8 streamlines your daily routine by bringing structural quantification on 3D cell models. With unique biomarkers for compaction and structure, it offers scientists unparalleled insights into sample quality, diversity, and development, enhancing predictions on treatment effects, streamlining complex insights into accessible knowledge.

FROM 2D-DERIVED DIAMETER TO MULTI-METRIC STRUCTURAL INSIGHTS

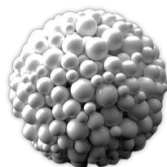


Size measurement is a routine tool for tracking growth and uniformity, but it overlooks the true 3D structure of organoids, and the critical insights it reveals.



Beyond size, 3D cultures rely on a complex interplay of cells, proteins, cavities, and cores that shape their functions. Daily structural biomarkers unlock deeper insights and reveal their full complexity.

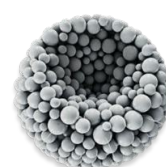
Explore variability within and across populations through Size and Mass Density profiling, and unlock hidden biological patterns like:



The Mass Density of an organoid is heavily contingent upon the number of cells per unit of volume.



Mass Density variations are influenced by extracellular matrix (ECM) components.



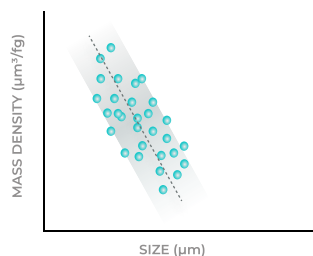
The Mass Density of an organoid can be substantially affected by the presence or absence of cavities.

WHERE W8 MEETS DAILY EFFICACY

INITIAL STAGE

DATA ANALYSIS

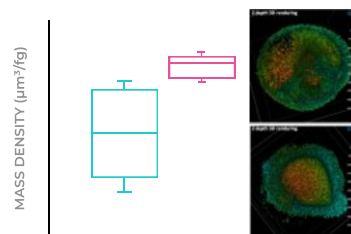
INTRA-POPULATION STUDIES



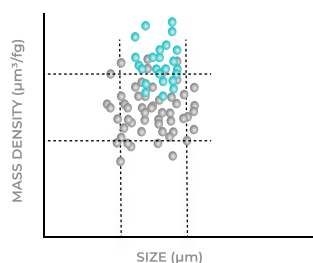
MIDDLE STAGE

BIO CORRELATIONS

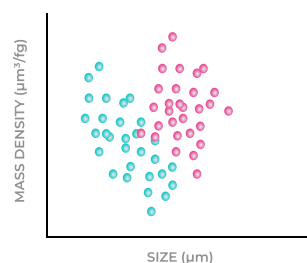
STRUCTURE AND BIOCORRELATIONS



BATCH VALIDATION



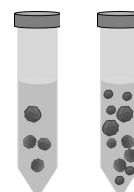
INTER-POPULATION STUDIES



FINAL STAGE

SAMPLE SELECTION

At the end of the workflow, the W8 enables precise selection and recovery of 3D samples based on **mass density**, **size**, or a **combination of both**. This allows users to isolate specific subpopulations of interest and seamlessly proceed to downstream analysis, enhancing the reliability and consistency of experimental outcomes.



SPECIFICATIONS

OUTPUTS

Size (µm)
Mass Density (fg/µm³)
Weight (ng)

THROUGHPUT

Up to 20 Spheroids / hour

SELECTION BY

Size (µm)
Mass Density (fg/µm³)
Combined

SUITABLE FOR SAMPLES

100 - 600 µm

OPERATIVE CONDITIONS

Label Free
Sterile
Viable based on Cell type

DIMENSIONS

Width 29 cm - 11.4 inch
Depth 18 cm - 7.1 inch
Height 36 cm - 14.2 inch