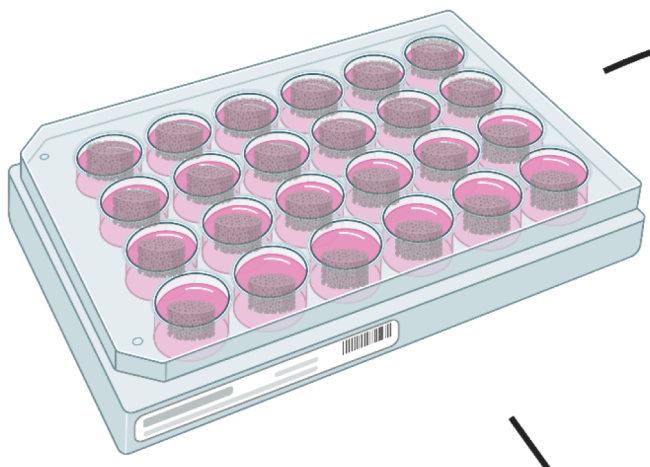
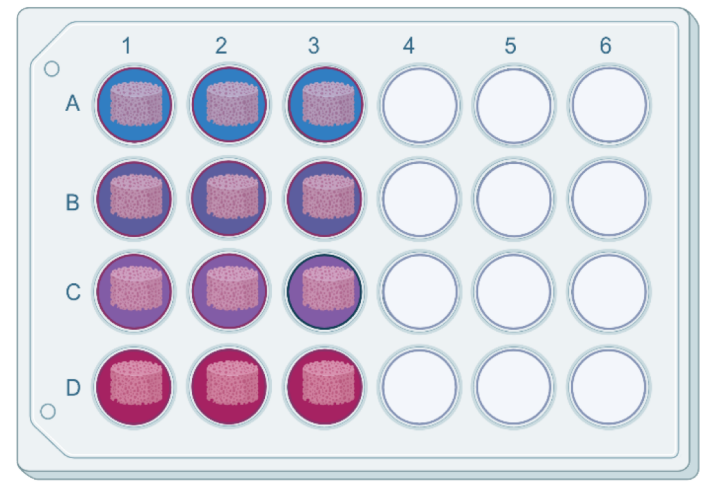
Cells grown on scaffolds
for desired time



x3

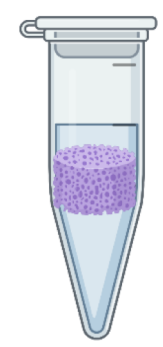
A

3 replicates per density
used for cell viability assay



B

Wash in
PBS

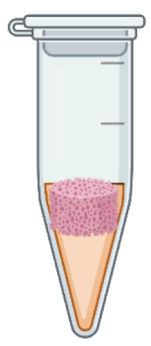


Place in 1 mL of
DNA extraction
buffer
- 1% Triton X-100
in 0.1 M $NaHCO_3$

Store at
-80 °C

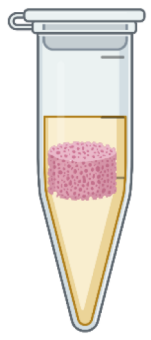
C

x3



3 replicates per
density fixed in
500 µL of 10%
PFA for imaging

15 min

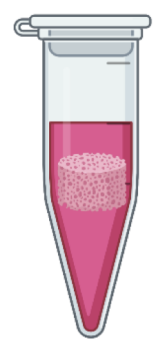


Neutralise PFA
with 500 µL of PBS

Store at
4 °C

D

x3



3 replicates per density added to
1 mL of phenol/guanidine-based
cell lysis reagent for gene
expression analysis

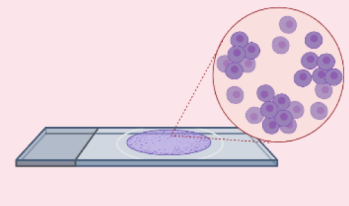
Store at
-20 °C

9 total scaffolds retrieved per time point for:

A. Cell Viability Analysis

B. DNA Quantification

C. Histology & Imaging



D. Gene Expression Analysis