Package 'SpatialDatasets'

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Version 1.3.0

Title Collection of spatial omics datasets

Description This is a collection of publically available spatial omics datasets.
Where possible we have curated these datasets as either SpatialExperiments,
MoleculeExperiments or CytoImageLists and included annotations of the sample
characteristics.

URL <https://github.com/SydneyBioX/SpatialDatasets>

BugReports <https://github.com/SydneyBioX/SpatialDatasets/issues>

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Description

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Details

The SpatialDatasets package contains a collection of spatially-resolved omics datasets for use in examples, demonstrations, and tutorials.

The datasets are from several different platforms including IMC, MIBI-TOF, Xenium, CosMx and MERFISH. They have been sourced from various publicly available sources.

Additional examples and documentation are provided in the package vignette.

Datasets

The SpatialDatasets package contains the following datasets:

- spe_Keren_2018 (MIBI-TOF): A study on triple negative breast cancer containing 40 samples measured using MIBI-TOF published by [Keren et al. (2018)](https://doi.org/10.1016/j.cell.2018.08.039).

Value

The datasets will be a SpatialExperiment or MoleculeExperiment.

Examples

```
# load using dataset name
spe <- spe_Keren_2018()
spe
```

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