Phenoglyphs machine
learning module for IN Carta
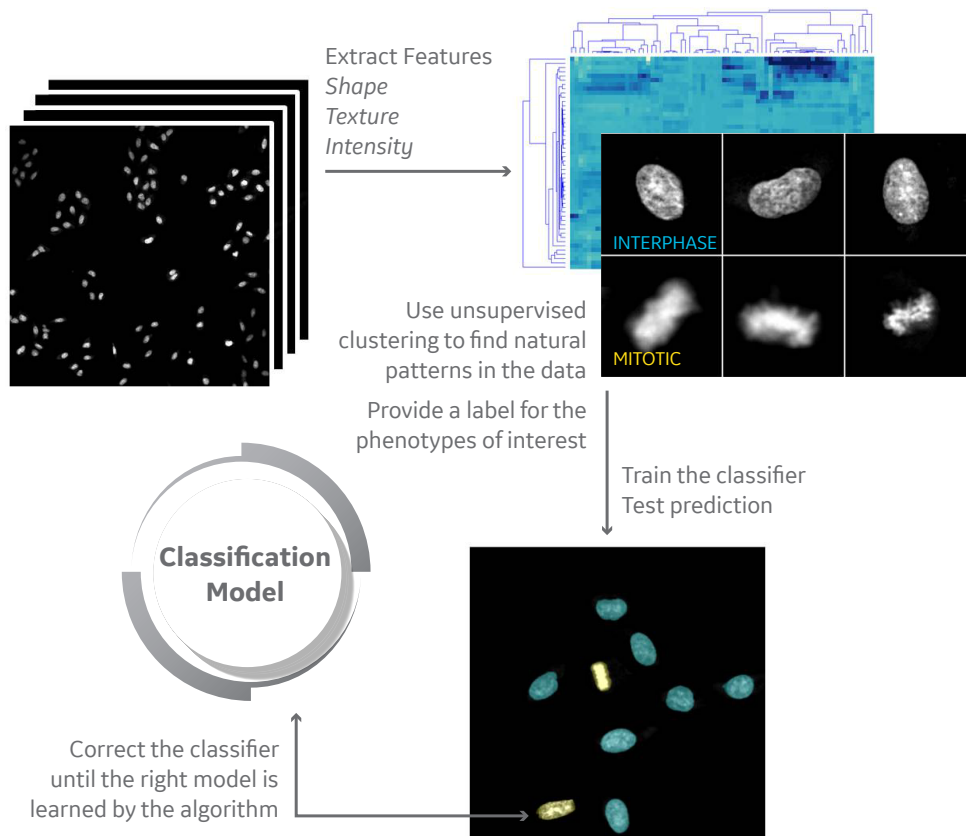
Tiny differences.
Big breakthroughs.

Traditional High Content Analysis relies heavily on the user to devise an analysis strategy for identifying phenotypic subpopulations. Manually choosing measurements and setting thresholds that are phenotypically selective is tedious, sensitive to user bias, and is often poor at differentiating subtle phenotypic differences. The Phenoglyphs™ module for IN Carta™ automates and simplifies this complex process with the use of machine learning.

Comprehensive

Robust

Simplified workflow

Extract Features
Shape
Texture
Intensity

INTERPHASE

MITOTIC

Use unsupervised clustering to find natural patterns in the data

Provide a label for the phenotypes of interest

Train the classifier
Test prediction

Classification Model

Correct the classifier until the right model is learned by the algorithm

gelifesciences.com/HCAsoftware

Your HCA solution: from assay to answer

Faster data

- Get started quickly with intuitive user interface and flexible protocol design
- Collect the right data every time with Smart Scan
- Learn more from a single experiment

Reliable data

- Improved image segmentation and quantification from deconvolution and IRIS confocal technologies
- Consistent image quality with automated acquisition tools for all sample types
- Guidance for your most challenging assays with experienced applications support

Results that matter

- Get comprehensive answers by asking complex questions
- Obtain physiologically relevant results with advanced live cell environmental control
- Explore more relevant biological models with tools optimized for 3D imaging

IN Cell Analyzer 2500*HS*

Flexible, modular widefield imaging

Ordering information

Description	Product code
IN Carta software	29178556
Phenoglyphs module	29338602
IN Cell Analyzer 2500*HS*	29240356
IN Cell Analyzer 6500*HS*	29240358

IN Cell Analyzer 6500*HS*

High end, laser-based confocal imaging

gelifesciences.com/HCAsoftware