

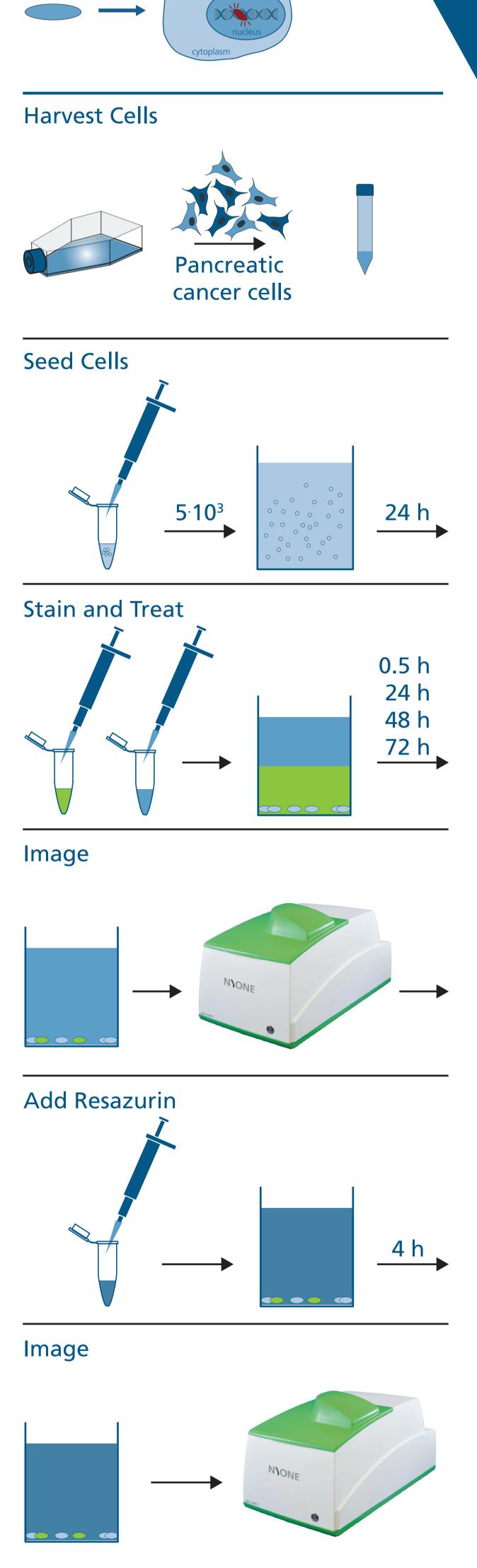
High-Content Imaging of Gemcitabine-induced Caspase Activity using NYONE® and YT-SOFTWARE®

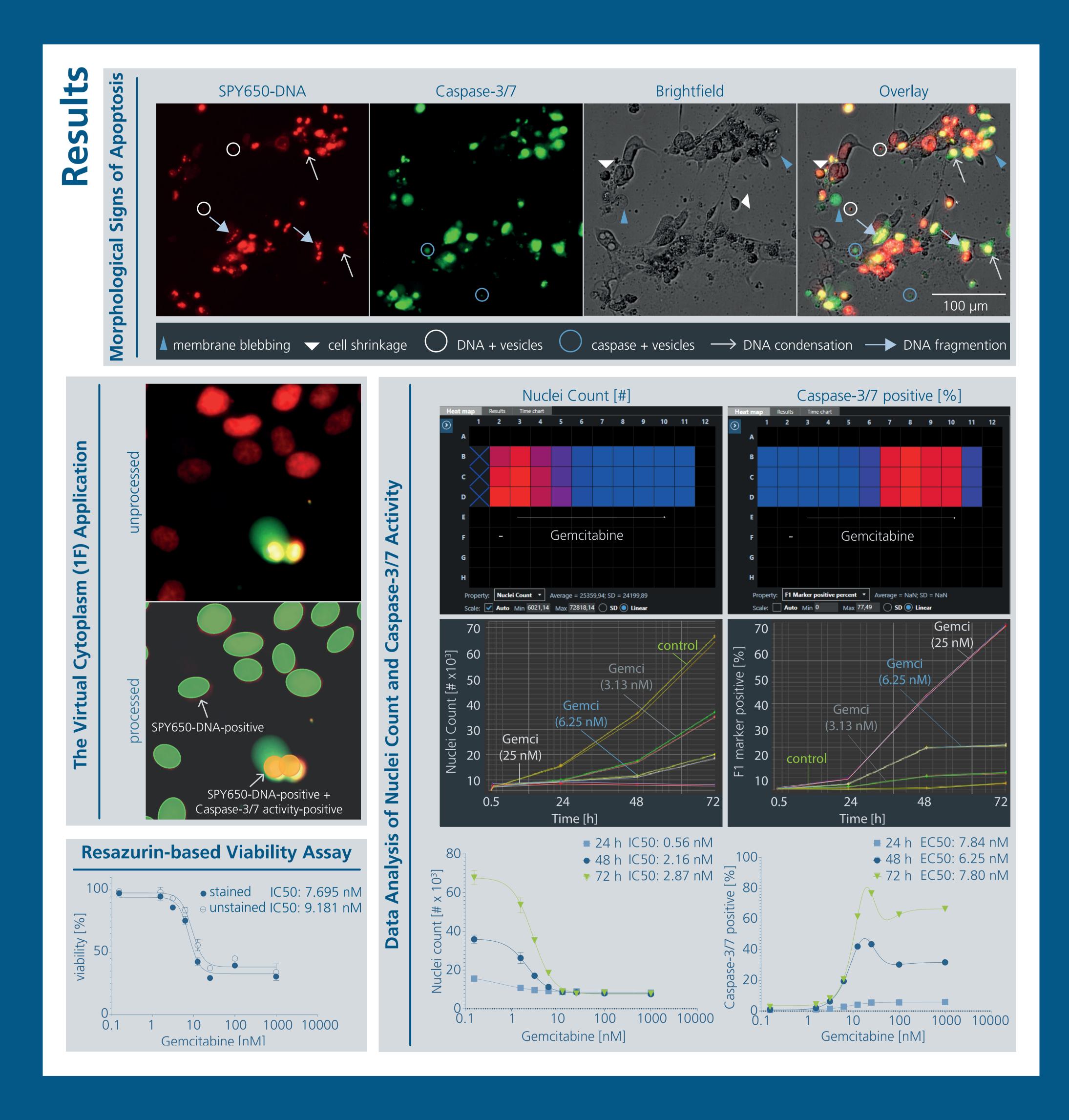
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CellEventTM Caspase-3/7 Green Cytoplasm

Introduction

Apoptosis is a form of programmed cell death involved in many physiological and pathophysiological processes. Crucial is the activation of the executioner caspases-3 and 7. Their activity initiates the morphological characteristics and biochemical hallmarks of apoptosis. Therefore, analysis of caspase activity is widely used to investigate apoptotic events. However, most assays detecting caspase activity in a microplate format require washing steps, cell lysis or transfection. Hence, we aimed to establish an easy and fast assay to detect caspase activity without substantial cell manipulation.







Benefits of SYNENTEC's Caspase Activity Assay

- Live cell imaging of caspase activity over time
- Simple add, no-wash, no-lyse assay in a microplate format
- Accurate and efficient image processing
- Suitable for automation and high-content screening

