BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

PerkinElmer launches cell painting comprising PhenoVueâ?¢ cellular imaging reagents portfolio

19 February 2021 | News

Cell painting is a powerful application of high-content screening technology which combines cell and computational biology to study the effects of perturbagens such as chemical compounds, drugs or genes on the behaviour of cells. Cells are â??painted' by labelling cellular compartments with different fluorescent bioprobes to enable those areas to be quantitatively profiled. However, preparing reagents from scratch can be incredibly time consuming



PerkinElmer, Inc has launched the first cell painting kit as part of its new portfolio of PhenoVue™ cellular imaging reagents. This new range of reagents leverages PerkinElmer's expertise in cellular imaging and high-content screening and works alongside the company's microplates, automation, software and industry-leading high-content screening instruments.

Cell painting is a powerful application of high-content screening technology which combines cell and computational biology to study the effects of perturbagens such as chemical compounds, drugs or genes on the behaviour of cells. Cells are 'painted' by labelling cellular compartments with different fluorescent bioprobes to enable those areas to be quantitatively profiled. However, preparing reagents from scratch can be incredibly time consuming.

Helping to address this challenge, the PhenoVue™ cell painting kit provides convenience and simplicity through a ready-to-use format and is part of a new range of reagents that also includes fluorescent organelle staining probes and dye-labelled secondary antibodies. These reagents are validated for high-content screening applications to reduce customers' assay development time.

"Researchers are using high-content screening and cell painting to make extraordinary discoveries that will help drive more innovative drugs and therapies," said Alan Fletcher, Vice President and GM of Life Sciences, PerkinElmer. "With the addition of our new PhenoVue™ cellular imaging reagents, we now offer a complete suite of high-content screening products and expert services. This will help researchers build more streamlined workflows and enjoy the convenience of working with a single, expert technology provider helping to accelerate discovery."