

MAY 2020

ChIP Kits for High Throughput Antibody Validation

Porvair Sciences report how its Chromatrap® ChIP kits

provide an outstanding solution for antibodies suppliers looking to validate the performance of the antibodies they produce for chromatin immunoprecipitation (ChIP) assay kits.



With its revolutionary bead-free system, Chromatrap®

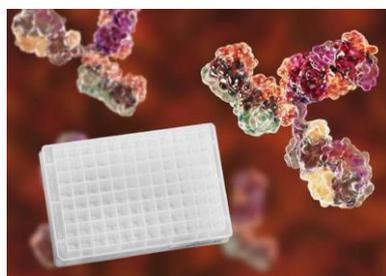
offers a faster, easier and more sensitive method to validate antibodies in a high throughput format. This enables antibody suppliers to easily and efficiently expand their product portfolio to target epigenetics and drug development applications.

Successful ChIP assays

heavily rely on the highest quality antibodies. In-house validation of antibodies for use in ChIP is considered to be a lengthy, expensive, time consuming and challenging process. In addition, antibodies are rigorously assessed for enrichment of positive and negative gene targets, signal-to-noise ratio, chromatin-to-antibody ratio, reproducibility and lot-to-lot variations.

Dr Lindsay Parkes, a senior research scientist

at Porvair Sciences commented “We have developed our bead-free Chromatrap® technology to enable maximum capture of antibody. This is achieved by correctly orientated capture proteins throughout the inert filter-based ChIP technology. Most bead-based systems have capture proteins scattered in random orientation which doesn't allow full access of antibodies to binding pockets of proteins, thus giving an overall reduced capture efficiency. This is important for high sensitivity especially for detection of binding of low abundant targets.”



Chromatrap® ChIP kits deliver

fast workflow, enabling you to process up to 96 ChIP assays simultaneously in just one day allowing multiple sample, antibody and gene targets to be tested in parallel on a single plate. Requiring less manual handling and fewer pipetting steps than other ChIP kits, Chromatrap® ChIP kits are very easy to use, making them perfect for even inexperienced users. Using these kits, a complete ChIP protocol doesn't require overnight incubation or blocking steps and can be completed in under five hours. Chromatrap® ChIP-kits are suitable for use over a wide chromatin enrichment range (500ng - 50µg).



For further information

on Chromatrap® ChIP kits for antibody validation please visit <https://www.chromatrap.com/high-throughput-chip-kits/> or contact Porvair Sciences Ltd on +44-1978-661144 / support@chromatrap.com

Porvair Sciences Ltd.

Chromatrap® is a brand of Porvair Sciences Ltd. with R&D and production laboratories based in the UK. Their extensive product range includes ChIP kits, DNA clean up kits and other innovative products for the life science market. With over thirty publications - Chromatrap® bead-free ChIP technology is rapidly becoming the method of choice for highly sensitive, quick and easy ChIP assays.

Worldwide HQ

Porvair Sciences Ltd

Clywedog Rd South
Wrexham Industrial Estate
Wales LL13 9XS
UK

Tel: +44 1978 661144

Email: int.sales@porvair-sciences.com

Web www.porvair-sciences.com