

# sol-R coded beads: making light work of ELISA



- ✓ up to 5 multiplexable bead codes
- ✓ no-wash, mix-and-read protocol
- ✓ screening-friendly price point

TTP Labtech's coded beads represent a range of reagents for the quantification of secreted protein in multiplexed screening assays. Designed for use with TTP Labtech's mirrorball fluorescence cytometer, sol-R beads are set to revolutionise the immunoassay workflow.

There are many reasons why gold standard immunoassays are not widely utilised within a screening environment including: multi-step protocols that are complex to automate, restricted throughput, limited multiplexing and high screening costs.

Remove these limitations with TTP Labtech's sol-R coded beads and watch your costs go down and your productivity go up.



## simple

- no-wash, mix and read protocols
- automation friendly solution



## productive

- 384-well plate read time in 12 minutes
- up to 5 codes for multiplexing



## economical

- switch to sol-R beads and decrease screening costs
- multiplex to save precious samples (10 µL in 384-well)



## reliable

- consistent binding capacity across codes
- no-wash protocols, no loss of weak interactions



**mirrorball**<sup>®</sup>

## sol-R streptavidin (SA) coded beads

TTP Labtech's sol-R SA colour-coded multiplexed beads exploit the high affinity interaction between streptavidin and biotin for immobilizing biotinylated antibodies, or target proteins.

A typical assay workflow for sol-R SA beads begins with the separate immobilisation of individual biotinylated targets to individual bead codes. Individual codes are subsequently combined, then dispensed into an assay plate with detection reagent and sample.

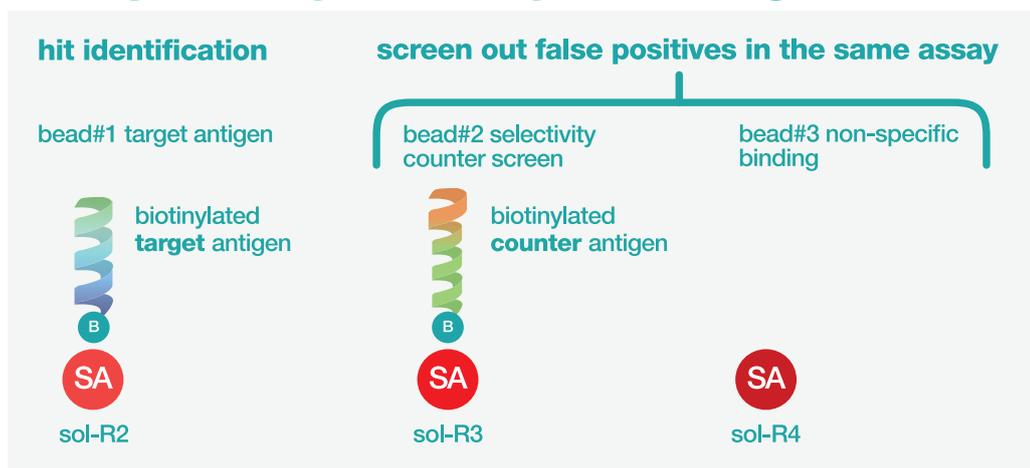
### bead preparation



### sol-R no-wash screening protocol



### example assay: antibody screening



For antibody screening, multiplexing of target specificity and selectivity binding protocols enhances productivity through the combination of 3 assays into 1, saving time, consumable costs and conserving precious sample (just 10  $\mu$ L required for 384-well assays).

### available sol-R kits

Any combination of codes 1-5 may be brought together into sol-R bead kits. Kits are optimised for 384-well plates but protocols for 96-well and 1536-well plates are also available. TTP Labtech's sol-R beads may be purchased in volumes for dispensing into 1, 5, 20, 50 & 100 assay plates.

**Contact [sales@ttplabtech.com](mailto:sales@ttplabtech.com) for pricing enquiries, or for more information.**