nunc™

Low Cross Talk 384 Well Polypropylene Plate

- Low cross talk and minimal binding
- Ideal for luminescence applications
- Highly reflective surface
- Low autophosphoresence
- Minimum capillary action
- Standard height and foot print

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Nunc Low Cross Talk 384 Well Polypropylene Plate

This plate has some unique features, which make it an obvious plate to use in luminescence assays including SPA (Scintillation Proximity Assays)*.

- Developed to fill a requirement on the market for a light dense, low cross talk, highly reflective and low binding plate.
- Autophosphorescence from daylight exposure is particularly low and fast-fading due to a selected resin composition.
- Polypropylene plates are preferred to polystyrene plates for homogeneous assays (liquid phase assays) due to their lower adsorption and higher chemical resistance.

** SPA technology is covered by patents held by Nycomed Amersham plc.*

Cross-talk comparison

The Nunc Low Cross Talk 384 Well Polypropylene Plate is compared with a plate of a competitive brand (fig. 1). As can be seen in the graph below, the Nunc Low Cross Talk Plate shows lower cross talk and a higher signal than the competitor plate.

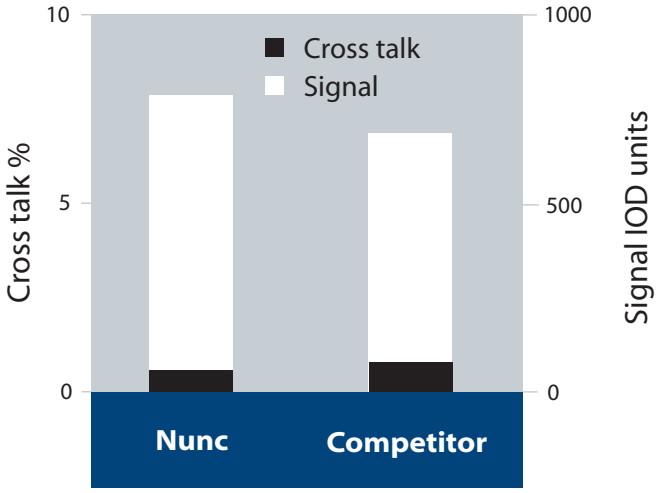

Fig. 1
On the left axis the percentage cross talk from adjacent wells is shown as a proportion of the total signal on the right axis in IOD (Integrated Optical Density) units measured by SPA in a LEADseeker™ instrument.

- The Nunc plate exhibits low autofluorescence, a clear advantage in a variety of applications including fluorescence assays.
- With the same dimensions as the other Nunc 384 Well polypropylene plates and a total volume of 120 µl this plate conforms to the recommended standard.
- In addition the Nunc Low Cross Talk Plate has improved stacking alignment. It is compatible with automated equipment e.g. stackers, workstations and liquid dispensers.
- The inherent hydrophobic properties and rounded square wells of the Nunc polypropylene plates minimise capillary action (wicking), which is particularly a problem in plates with a very hydrophilic surface (fig. 2).

Capillary action comparison

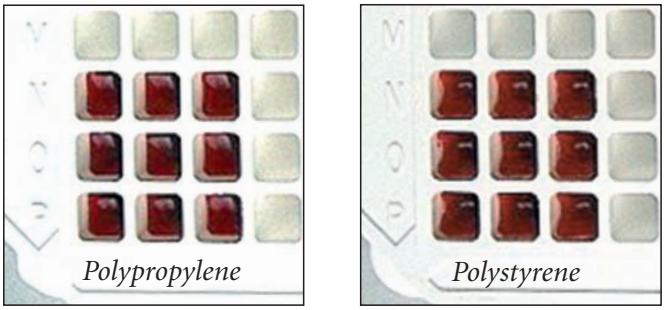

Fig. 2.
Wells filled with 100 µl aqueous colour solution show minimal capillary action (wicking effect) in a Nunc Low Cross Talk 384 Well Polypropylene Plate (to the left) in contrast to the effect in a polystyrene plate (to the right). Capillary action increases the risk of overflow, particularly in conjunction with sealing.

Ordering information:
Nunc Low Cross Talk 384 Well Polypropylene Plate

Cat. No.	264675
Colour	White
Sterilized	–
Units per pack/case	20/120

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