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Non-binding Microplates 384 & 1536 Well Greiner Bio-One

Product in eShop

Product Data

Microplates with Non-Binding Surface Properties for Biochemical Assays

High quality microplates with well-defined properties are essential prerequisites for reproducible results in advanced drug discovery. In addition to format and pigmentation, determining the best microplate surface for use within a specific application is a critical factor for successful high-throughput screening.

Polystyrene microplates with medium binding surfaces are commonly used for homogeneous biochemical HTS assays. Manufactured of carefully selected raw material batches, medium binding microplates demonstrate low reproducible biomolecule binding. As medium binding microplate surfaces are not physically modified, their surface characteristics are representative of pure polystyrene.

However, even low amounts of biomolecular binding (e.g. DNA, RNA, proteins, peptides) can cause an undesirable increase in background, resulting in decreased signal-to-noise ratio. Greiner Bio-One’s non-binding microplate surfaces prevent unwanted non-specific binding, especially advantageous for sensitive biochemical assays.

Characterised by low protein, DNA, RNA and peptide binding properties the non-binding surfaces significantly
increase assay sensitivity by reducing background and improving signal-to-noise ratio.

Non-binding surfaces from Greiner Bio-One are achieved through a stable chemical modification to covalently link functional groups with the base polystyrene polymer. Under aqueous assay conditions a hydrate layer forms, preventing dissolved biomolecules from binding to the microplate surface. As the non-binding surface is stable under common assay conditions, there is no potential for degradation or leaching and resultant assay interference.

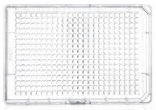
Non-binding microplates are featured in 96, 384 and 1536 well formats in black, white and clear, including solid and Clear® film well bottoms.
Characteristic features of the non-binding surface are:

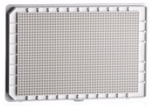
- Ultra low non-specific biomolecular binding properties (proteins, DNA, RNA)
- Long-term surface stability without degradation or leaching

- Higher assay sensitivity with reduced background

Item No.	colour	lid	well geometry	bottom	format	Price
7.781 900	black	-	F-bottom / chimney well	solid	384 Well	CHF 316.04
7.781 901	clear	-	F-bottom / chimney well	solid	384 Well	CHF 292.33
7.781 903	white	-	F-bottom / chimney well	µClear	384 Well	CHF 514.00
7.781 904	white	-	F-bottom / chimney well	solid	384 Well	CHF 363.44
7.781 906	black	-	F-bottom / chimney	µClear	384 Well	CHF 514.00
7.782 900	black	-	F-bottom	solid	1536 Well	CHF 4'024.80
7.782 904	white	-	F-bottom	solid	1536 Well	CHF 4'098.60
7.784 900	black	-	Small Volume	solid	384 Well	CHF 555.20
7.784 904	white	-	Small Volume	solid	384 Well	CHF 584.00

More product images





* The prices are non-binding and are to be understood as selling prices in Swiss francs without value added tax (VAT), as well as all other fees, charges and taxes. The prices displayed in the eShop may differ from the PDF file due to regular updates.

** Please note that when ordering chemicals and detergents, transport and packaging costs for hazardous goods as well as legally prescribed fees are charged. These will be shown in detail on the order confirmation, which you will receive in addition to the confirmation of receipt.

*** Further information such as technical information and safety data sheets can be found online in our eShop.

**** The PDF file was created on www.huberlab.ch on 14.05.2026 at 21:13 oclock.