

STREPTAVIDIN COATED PCR 8 TUBES STRIPS

While polystyrene polymer is easily subject to binding capacity improvement and is able to bind a wide range of molecules, the polypropylene is an inert polymer.

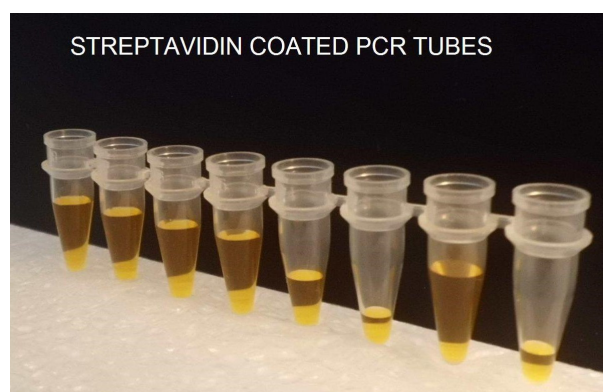
Thanks to a proprietary method for improving the binding capacity of PP, now PCR 8 tubes strips are offered with streptavidin coating

Streptavidin coated surfaces offer a powerful and universal instrument for binding any biotinylated molecule (Proteins-Peptides-Polysaccharides-Oligonucleotides-DNA fragments-etc.)

Streptavidin is a tetrameric protein (M.W. 60.000) with very high affinity for biotin ($K_a=10^{15}M^{-1}$); the bond is the strongest known non-covalent biological interaction.

Biotin is a small molecule which can be conjugated to many proteins without loosing or altering their activity, each protein can bind many biotin molecules.

Since each subunit of streptavidin binds one molecule of biotin, the resulting effect is a great increase of the sensitivity of the assay.



PCR 8 tubes strips are offered both with standard streptavidin and with HB streptavidin coating

code	Type	description
PCR0STF-SA5/100	PCR 8 tubes strips	Standard streptavidin
PCR0STF-SB75/100	PCR 8 tubes strips	HB streptavidin
PCR8	PCR cap	Strips of 8 caps

Total capacity	Coated volume	Blocking reagent
200 μ l	100 μ l	200 μ l

Different volumes are available

PCR 8 tubes strips are offered with and without cap and their thin walls optimize the heat transfer from the block to the reaction solution