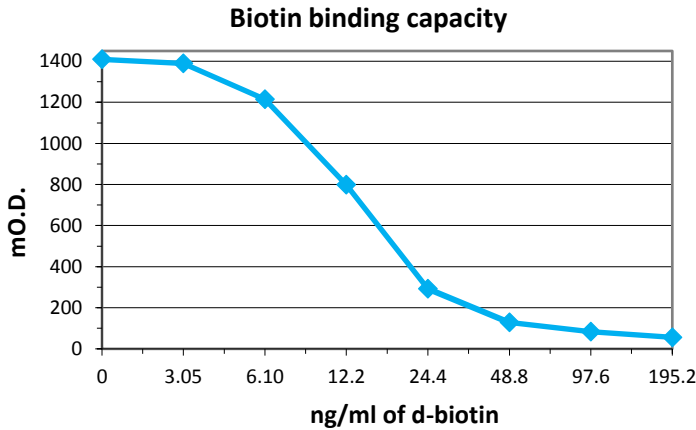


NEUTRAVIDIN® COATED SURFACE

TECHNICAL NOTE N. 32

1. Binding capacity of a small molecule: biotin

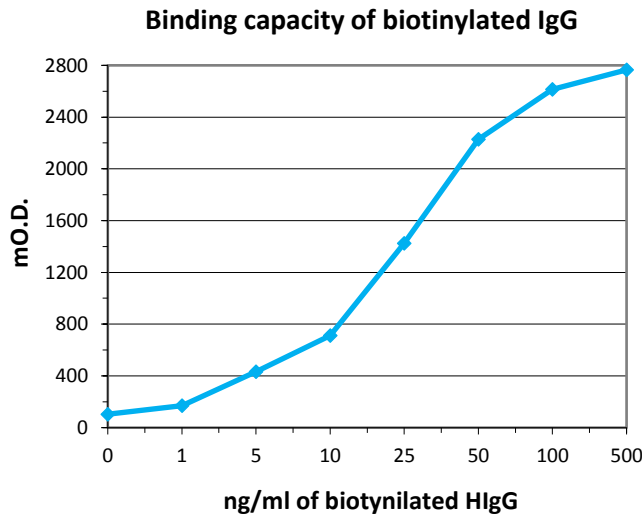
Neutravidin coated wells were incubated with biotin solutions (from 0 to 195.2 ng/ml) containing 2 ng/ml of biotinylated peroxidase for 30' R.T.
 After a washing step, the wells were incubated with TMB and blocked with sulphuric acid 1N.
 The OD values were read at 450 nm.



results	1.22 ng*/well (100 µl volume) = ~ 5 pmol/ well (100 µl volume) 1.22 ng* d-biotin = 5 pmol
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2. Binding capacity towards biotinylated HIgG

Neutravidin coated wells were incubated with solutions (from 0 to 500 ng/ml) of biotinylated HIgG for 30' R.T.
 After a washing step, the wells were incubated with AHigG-HRP for 30' RT, again washed and incubated with TMB and blocked with sulphuric acid 1N.
 The OD values were read at 450 nm.



Neutravidin coated wells are saturated from the concentration of 100 ng/ml biotinylated IgG.