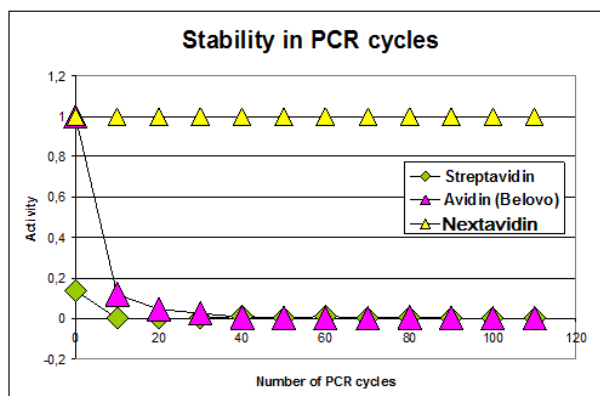


## Nextavidin™

NEXT Biomed introduces a revolutionary new recombinant avidin, Nextavidin™, with significantly improved molecular properties. Nextavidin™ has an extremely high thermal stability as well as resistance against proteolysis and organic solvents. Nextavidin™ is also functional over a much wider pH range than avidin or streptavidin. Thus, Nextavidin™ coated plates retain their biotin binding capacity even when met with harsh conditions and upon prolonged storage. Being the most stable biotin-binding protein ever created and characterized, Nextavidin™ is also suitable for solid phase experimental settings where stability in demanding conditions is needed.

Denaturation $T_m$ (without biotin; differential scanning calorimetry data)	
Avidin	$83.5 \pm 0.1$ °C
Streptavidin	75.5 °C
Nextavidin™	$111.1 \pm 0.2$ °C



In addition to its outstanding stability Nextavidin™ has other highly beneficial properties:

- Nextavidin™ is not glycosylated like wild-type avidin.
- Nextavidin™ does not contain RGD-like motifs like streptavidin.

### References:

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