

## Streptavidin-Conjugated FNDs

Data provided below is representative of kinetic activity for Cymaris streptavidin-conjugated FNDs. To receive lot-specific kinetic data, email [sales@cymaris.com](mailto:sales@cymaris.com), or call 1-614-732-0754.

### Confirmation of Streptavidin conjugation by catalytic assay:

Streptavidin FNDs were assayed with Biotin:Horse Radish Peroxidase(HRP). HRP activity was determined using hydrogen peroxide and the chromogenic substrate pyrogallol. Kinetic activity was compared to a 1:1000 dilution of Biotin:HRP. The chart below shows the relative activity of each conjugate compared to a 1:1000 dilution of Biotin:HRP. Conjugates are available with protein directly attached to the surface of the nano-diamond, from the tail end of a PEG-4, PEG-12, PEG-36, DUAL-branched, or TRI-branched PEG spacer.

### Streptavidin NV-FND Conjugation Kinetics

