



UltraAmp™

Streptavidin / Oyster®-550 (40)
3DNA® Dendrimer Signal Amplification Reagent

PRODUCT INFORMATION

Catalog Number:	SA0450
Concentration of Streptavidin per microliter (uL):	20ng / uL
Concentration of 3DNA dendrimer per uL:	122ng / uL
Label moiety bound to 3DNA dendrimer:	Oyster-550 fluorescent dye (~40 per dendrimer)
Storage conditions:	2-8° Celsius DO NOT FREEZE!
Shelf life:	Six (6) months from the date of manufacture
3DNA Dendrimer Molecular weight:	1.8 x 10 ⁵ Daltons

DESCRIPTION

A DNA dendrimer reagent containing a single Streptavidin and labeled with ~ 40 Oyster-550 fluorescent dyes.

STORAGE BUFFER

This UltraAmp reagent is prepared and stored in a 1X PBS buffer solution with 2mM EDTA.

USAGE

This reagent is effective for the detection of biotin in a variety of assay formats, including nucleic acid (DNA/RNA) arrays, protein arrays, ELISA and bead based flow assays. A dilution of 1:40 to 1:80 (or greater) is recommended; this may vary dependent upon the assay type and conditions. We recommend titrating the UltraAmp reagent for each specific assay format to determine the most appropriate quantity required per reaction. UltraAmp reagents are compatible with most protein assay buffers. Volume excluders, such as dextran sulfate, may be used at concentrations of up to 3% to enhance the performance of these reagents.

APPLICATION NOTES

Application notes detailing the specific use of this product in various assay formats are available at www.genisphere.com/signal_amp_app_notes.html

QUALIFICATION

This reagent has been qualified in a DNA array assay where varying quantities of immobilized biotinylated DNA were detected by this UltraAmp dendrimer reagent. This assay demonstrates the ability of the UltraAmp reagent to bind appropriately to its target and provide quantifiable signal.

For research use only. Not for use in diagnostic or therapeutic procedures. Not for resale.

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Oyster is a trademark of Denovo Biolabels GmbH.

Protected by U.S. Patents 5,175,270; 5,484,904; 5,487,973, 6,046,038, 6,072,043, 6,110,687

and other patents pending in the U.S. and other countries.

Use of this product may require additional licenses depending on the application.

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SA0450-V1.01