CYTAG® SuperCGH Labeling Kit

Superior labeling efficiency for low input samples, with greater sensitivity and a simpler workflow. Note: purification columns are not included; use the Columns recommended in the kit manual or your preferred purification protocol.

With optimized, proprietary reagents, Enzo's CYTAG® SuperCGH Labeling Kit for oligo arrays produces high quality data using as little as 50 ng of genomic DNA, without a need for pre-amplification for precious low input samples. This kit does not include purification columns; use the Columns recommended in the kit manual or your preferred purification protocol.

Comparative genomic hybridization (aCGH) is a powerful diagnostic tool for detecting DNA copy number gains and losses associated with chromosome abnormalities. aCGH provides an understanding of genetic disorders, cancers and other genomic aberrations.

Ordering Information

Order Online »

ENZ-GEN121-0010	10Reactions
ENZ-GEN121-0100	100Reactions

Manuals, SDS & CofA

View Online »

- Suitable for previously limiting low input samples, including precious biopsy samples
- Validated for blood, amniotic fluid, postnatal, and oncology samples
- Provides excellent dynamic analytical range down to 50 ng
- Shorter workflow — samples ready for hybridization in <4 hours
- Superior DLR scores (0.09–0.12) exceeding industry standards
- Ability to perform total genomic DNA analysis without amplification or complexity reduction
- Purification columns not included — use the Columns recommended in the kit manual or your preferred purification protocol

Handling & Storage

Use/Stability	Refer to label for expiration date. Store as recommended.
Handling	Protect Super Cyanine 3- and 5-dUTPs from light at all times. Avoid freeze/thaw cycles.
Short Term Storage	-20°C
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	CGH
Contents	**-0010 size (10 reactions):** Primers/Reaction Buffer, 1 x 400 µL; Super Cyanine 3-dUTP® Nucleotide Mix, 1 x 100 µL; Super Cyanine 5-dUTP® Nucleotide Mix, 1 x 100 µL; Klenow DNA Polymerase, 1 x 40 µL; Stop Buffer, 1 x 100 µL; Nuclease-free Water, 1 x 1 mL **-0100 size (100 reactions):** Primers/Reaction Buffer, 1 x 4 mL; Super Cyanine 3-dUTP® Nucleotide Mix, 1 x 1 mL; Super Cyanine 5-dUTP® Nucleotide Mix, 1 x 1 mL; Klenow DNA Polymerase, 1 x 0.4 mL; Stop Buffer, 1 x 1 mL; Nuclease-free Water, 1 x 10 mL
Quality Control	Expiration as stated on the label when stored as recommended.
Specificity	Validated on Agilent SurePrint Microarrays
Technical Info / Product Notes	**Application Notes:** Using CYTAG® SuperCGH Labeling Kit for the Analysis of FFPE Oncological Samples by CGH. Automated Liquid Handling for High Throughput DNA Labeling with CYTAG® SuperCGH Labeling Kit. Sensitivity of Comparative Genomic Hybridization Using Artificial Mosaicism and Small DNA Quantities.

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