

dGH™ Cell Prep Kit

The dGH Cell Prep Kit is used to prepare actively dividing cells for analysis with dGH in-Site™ and dGH SCREEN™. These assays enable direct high-resolution measurement of inversions, translocations, and structural variations on a cell-by-cell basis.

The dGH™ Cell Prep Kit contains the KromaTiD dGH™ Cell Prep Additive, a media component designed to integrate into DNA during replication. This unique feature facilitates probe hybridization to a single side of each metaphase chromosome, effectively highlighting rearrangements. Following the dGH Cell Prep Kit Protocol, cultured cells are sent to KromaTiD for further analysis using the cryovials provided.

Applications

dGH In-Site™ and dGH SCREEN™ assays are especially valuable for cell and gene therapy studies and can be used for:

- Transgene integration assessment, even from complex or heterogeneous cell populations
- Whole genome structural variant analysis
- Measurement of on- and off-target structural variation in edited cells
- Evaluation of cellular clonality
- Cell line stability confirmation
- Generation of data to align with sequencing results

Key Features of the Kit

- Facilitates in-house cell sample preparation
- Seamless integration with standard cell culture procedures
- Flexible packaging options accommodating culturing of up to 32 samples in triplicate

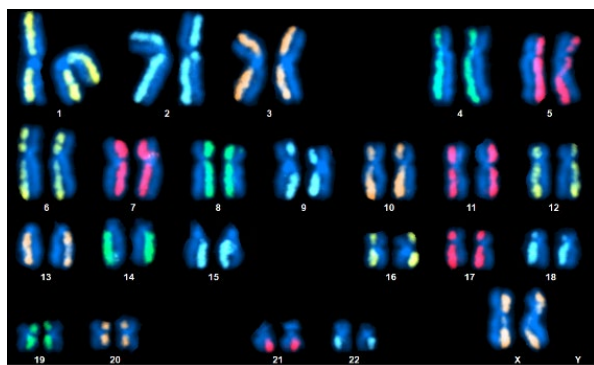


Figure 1. dGH SCREEN karyogram of a human leukocyte in metaphase performed at KromaTiD. The dGH Screen assay uses over ten million probes and five colors to map all the unique sequences in the genome and can provide a complete picture of off-target and edit site structural variation. More information about dGH SCREEN can be found at kromatid.com.

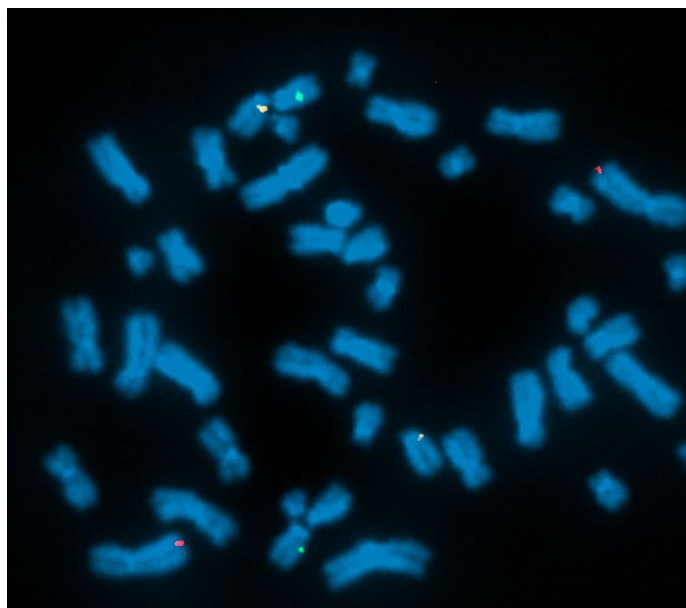


Figure 4. Multiplexed dGH in-Site probes hybridized to a normal human T cell metaphase spread: TRAC (orange), B2M (green) and PDCD1 (red). Learn more about dGH in-Site and KromaTiD probes and services for gene editing projects on our website.

Reagents & Materials Provided

KromaTiD dGH™ Cell Prep Additive (See volume and cell culture sizes below.)

2 mL screw cap cryovials

Handling & Storage of KromaTiD dGH Cell Prep Additive

Store dGH Cell Prep Additive at 4°C upon receiving. dGH Cell Prep Additive can be stored up to expiry date at 4°C.

KromaTiD Reagents Required but Not Provided

Demecolcine solution, 10 µg/mL (pseudonym Colcemid™) - KromaTiD Cat. No. COL-001, -002, -003

Cat. No.	Product	Culture Size	List Price
DGH-0001	dGH Cell Prep Kit (250 µL)	8 samples in triplicate T25 flasks or 4 samples in triplicate T75 flasks	\$1,050.00
DGH-0002	dGH Cell Prep Kit (500 µL)	16 samples in triplicate T25 flasks or 8 samples in triplicate T75 flasks	\$2,000.00
DGH-0003	dGH Cell Prep Kit (1000 µL)	32 samples in triplicate T25 flasks or 16 samples in triplicate T75 flasks	\$3,800.00

Customer Notification

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3. KromaTiD's full Terms of Sale can be found on our website.



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