

Cell Karyotyping Analysis Kit

For chromosome counting of cells



Stemmera

Features

- Ready-to-use
- All-in-one kit, easy protocol

Product Component

- **Cat# ST01004-S1** Meta-block Solution (100x) (1ml)
- **Cat# ST01004-S2** Meta-block Supplement (1000x) (50µl)
- **Cat# ST01004-S3** Cell Dissociation Solution (30ml)
- **Cat# ST01004-S4** Pre-fix Solution (1x) (2x50ml)
- **Cat# ST01004-S5** Fix Solution I (5x30ml)
- **Cat# ST01004-S6** Fix Solution II (2x25ml)
- **Cat# ST01004-S7** Staining Solution I (40ml)
- **Cat# ST01004-S8** Staining Solution II (10ml)
- **Cat# ST01004-S9** Microscope Slides (25pcs)

Note: Due to Fix Solution I and II are toxic, use with gloves and lab coat is necessary. Rinse with tap water immediately if spill on the body or on the bench.

Ordering Information

Catalog No.
ST01004

Description
Cell Karyotyping Analysis Kit

Pack Size
20 tests/kit

Product Use

This product is intended for *in vitro* use and research use only. Not intended for human or animal diagnostic or therapeutic uses.

Description

Stemmera™ Cell Karyotyping Analysis Kit is a ready-to-use kit which composed of necessary reagents and tool intended for chromosome counting after cell expansion for karyotyping analysis of eukaryotic cells.

Product Application

This product is used to identify chromosome number after cell passaging. It serves as a good evidence to guide the scientists whether they require to perform further cytogenetic analysis, such as G-banding (G-banding is a technique used in cytogenetics to produce a visible karyotype by staining condensed chromosomes. It is useful for identifying genetic diseases through photographic representation of the entire chromosome complement). For example, if the chromosome number is not correct, G-banding is not necessary to do. On the contrary, if the chromosome number is correct, scientists can perform G-banding to identify chromosomal abnormalities, such as translocations. Karyotyping analysis is a necessary and simple way to check the quality of cells.

Storage & Handling

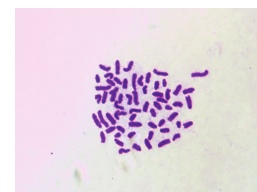
Store all components as directed in manual instruction upon arrival. Alternatively, it is fine to store all components at 2°C to 8°C.

Quality Control

This product is used to count chromosomes of any eukaryotic cells. The following images represent chromosome spread of iPSCs and Fibroblast.



Chromosome counting of Mouse iPSCs



Chromosome counting of Mouse fibroblast

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