GIBCO® media and culture supplements for cytogenetic analysis

- → Optimized and prequalified for cytogenetics
- → Provide high mitotic index
- → Deliver excellent chromosomal morphology
- → Produce clear, reproducible results that are easy to analyze and interpret

Every day, you make critical decisions based on what you see through a microscope. When your cytogenetics analysis is supported by GIBCO® media and culture supplements, you can be confident in the conclusions you reach.

You'll get clear, reproducible results that are simple to analyze and interpret when you use the most trusted cell culture media and reagents for cytogenetics: MarrowMAX™, AminoMAX™, and PB-MAX™ products.

Superior performance

- → High mitotic index and superior chromosomal morphology (Figure 1)
- → Outperforms commercially available giant cell tumor conditioned medium (GCT-CM) (Figure 2)
- → Consistent lot-to-lot performance (Figure 3)

Convenience

- → Complete, ready-to-use medium
- → Fully supplemented with serum, gentamicin, and L-glutamine
- → Store either frozen or refrigerated

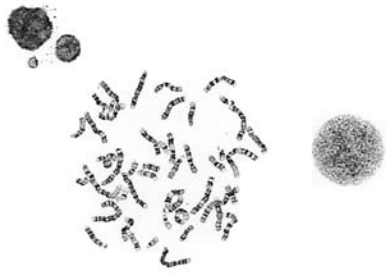

Figure 1—Chromosome spread from bone marrow cells. Cells were cultured in MarrowMAX™ Medium for 24 hours, and G-banding analysis was performed.

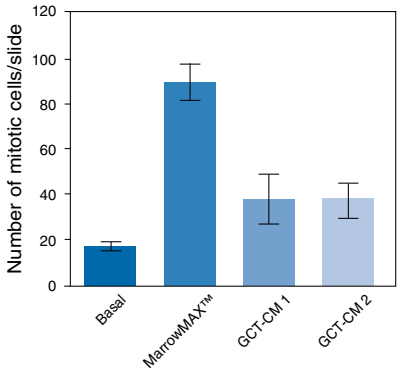

Figure 2—Performance of MarrowMAX™ Medium. Cells were cultured in: basal medium without conditioned medium; MarrowMAX™ Medium; Supplier 1 Medium (GCT-CM 1); and Supplier 2 medium (GCT-CM 2) (both Supplier 1 and Supplier 2 media contain GCT-conditioned medium). Mitotic cells were assayed 24 hours after plating.

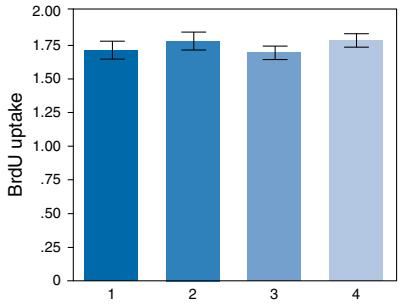

Figure 3—Consistency of MarrowMAX™ Medium. Normal bone marrow mononuclear cells were seeded at 1 x 10^5 cell/ml in 4 different lots of MarrowMAX™ Medium. BrdU uptake was measured by absorbance at 405 nm. Results are mean ± SEM for n = 10.

invitrogen™

Cytogenetic and Diagnostic Testing

Peace of mind with each product

- → Manufactured in compliance with the FDA's Quality System regulation (cGMP) and the current requirements of ISO 9001
- → Application-tested by an independent, certified cytogenetics laboratory to deliver clear, reproducible results in standard clinical cytogenetic protocols
- → Extended shelf life of 18 months when stored unopened at –20°C and 60 days stored at 4°C

We know what matters

At Invitrogen, we understand the high level of service and support required in cytogenetics laboratories, so we strive to help you in every way possible. Have questions? Need data? Contact Invitrogen's cytogenetics specialists at 1 800 955 6288 or visit www.invitrogen.com/cytogenetics.

Ordering Information

Product	Size	Cat. no.
MarrowMAX™ Bone Marrow Medium * (contains gentamicin)	100 ml	12260-014
AmmioMAX™–II Complete Medium (contains gentamicin)	100 ml	11269-016
AmnioMAX™–C100 Complete Medium (system) The system contains both the basal medium (90 ml) and the supplement (15 ml) (supplement contains gentamicin)	1 set	12558-011
AmnioMAX™–C100 Basal Medium, liquid	90 ml 450 ml	17001-082 17001-074
AmnioMAX™–C100 Supplement, liquid (contains gentamicin)	15 ml 75 ml	12556-015 12556-023
PB-MAX™ Karyotyping Medium (contains gentamicin)	100 ml 500 ml	12557-013 12557-021
KaryoMAX™ Colcemid® Solution, liquid (10 mg/ml), in HBSS	10 ml	15210-040
KaryoMAX™ Colcemid® Solution, liquid (10 mg/ml), in PBS	10 ml	15212-012
KaryoMAX™ Giemsa Stain Stock Solution	100 ml	10092-013
Fungizone® Antimycotic, liquid	20 ml	15290-018
Phytohemagglutinin (M Form) (PHA), lyophilized †	10 ml	10576-015

* This product is subject to Limited Use Label License No. 31. These products are for in vitro use and are not intended for human or animal therapeutic use. Uses other than the labeled intended use may be a violation of federal law. † The noted products are for laboratory use only and not for diagnostic use. The safety and efficacy of these products in diagnosis or other clinical uses has not been established. Colcemid® is a registered trademark of CIBA-GEIGY Corporation.

Visit us at www.invitrogen.com/cytogenetics to learn about related reagents for cytogenetic cell culture.

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