

# BenchStable™ Media

**Catalog Numbers** A41920-01, A41920-02, A41921-01, A41921-02, A41922-01, A41922-02, A41923-01, and A41923-02

**Pub. No.** MAN0018855 **Rev.** 1.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](http://thermofisher.com/support).

## Product description

Gibco™ BenchStable™ basal media are engineered for flexibility and convenience. The media are formulated with GlutaMAX™ Supplement and are available in widely-used basal media formulations, including: DMEM, DMEM/F-12, MEM, and RPMI 1640. The unique formulation of BenchStable™ media enables room temperature storage of unopened bottles.

Complete BenchStable™ media are capable of supporting cellular proliferation and maximum cell densities that are comparable to that of conventional basal media formulations (supplemented with ≥10% FBS). For most cell lines, adaptation is not required to transition from conventional medium to BenchStable™ medium.

## Contents and storage

Contents	Cat. No.	Amount	Storage	Shelf Life <sup>[1]</sup>
BenchStable™ DMEM/F-12 (1X), liquid with GlutaMAX™ Supplement	A41920-01	500 mL	Store at 15°C to 30°C. Protect from light.	12 months
	A41920-02	10 × 500 mL		
BenchStable™ DMEM (1X), liquid with GlutaMAX™ Supplement	A41921-01	500 mL		
	A41921-02	10 × 500 mL		
BenchStable™ MEM (1X), liquid with GlutaMAX™ Supplement	A41922-01	500 mL		
	A41922-02	10 × 500 mL		
BenchStable™ RPMI 1640 (1X), liquid with GlutaMAX™ Supplement	A41923-01	500 mL		
	A41923-02	10 × 500 mL		

<sup>[1]</sup> Shelf-life duration is determined from Date of Manufacture.

## Culture conditions

**Media:** BenchStable™ media

**Culture type:** Adherent and suspension

**Culture vessels:** T-flasks or culture plates

**Temperature range:** 36°C to 38°C

**Incubator atmosphere:** 90–95% humidified atmosphere of 5%–10% CO<sub>2</sub>. Ensure that proper gas exchange is achieved in culture vessels and minimize exposure of cultures to light.

## Guidelines for use of BenchStable™ media

- Use the same culture conditions as used with conventional basal media.
- FBS supplementation (≥10%) is required before use. If your application requires <10% FBS, contact Technical Support to ensure compatibility.
- Addition of GlutaMAX™ Supplement or L-glutamine is not required.
- For most cell lines, adaptation is not required to transition from conventional medium to BenchStable™ medium.

## Prepare complete media

1. For 500 mL of complete medium: Aseptically add 50 mL of FBS to 450 mL of BenchStable™ media.

**Note:** If your application requires a higher amount of FBS (>10%), we recommend using the same concentration to prepare complete BenchStable™ media.

2. (If needed) Add additional routine supplements, such as antibiotics, then mix several times by inversion.
3. Store complete BenchStable™ media at 4°C until use.

## Adapt cells to BenchStable™ media

- Subculture of cells in complete BenchStable™ medium is expected to be equivalent to the subculture process using conventional medium.
- BenchStable™ medium is compatible with cell dissociation reagents, such as trypsin and TrypLE™ reagents.

Pre-warm BenchStable™ medium before use.

1. Subculture or thaw cells into the appropriate complete BenchStable™ medium.  
Use the same seeding density as you would use with conventional medium.
2. Continue to subculture cells in complete BenchStable™ medium, monitoring cell growth using established protocols for your laboratory.

## Limited product warranty

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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

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## Related products

Unless otherwise indicated, all materials are available through [thermofisher.com](http://thermofisher.com).

Item	Cat. No.
Fetal Bovine Serum, certified, US origin	16000044
Fetal bovine serum, certified, heat inactivated, US origin	10082147
Fetal Bovine Serum, qualified, United States	26140079
Fetal Bovine Serum, qualified, heat inactivated, United States	16140071
DPBS, no calcium, no magnesium	14190144
TrypLE™ Express Enzyme (1X), no phenol red	12604013
Trypsin-EDTA, (0.05%), phenol red	25300054
Trypan Blue Solution, 0.4%	15250061
Countess™ II Automated Cell Counter	AMQAX1000