

# Cell Therapy Systems™

## Hibernate<sup>®</sup>-A CTS™ and Hibernate<sup>®</sup>-E CTS™ Media

### Description

Hibernate<sup>®</sup>-A and Hibernate<sup>®</sup>-E are serum-free, nutrient basal media for the short-term maintenance of human tissue in ambient CO<sub>2</sub> conditions.<sup>1</sup> Hibernate<sup>®</sup>-A medium is designed for the maintenance of postnatal and adult tissue and Hibernate<sup>®</sup>-E medium is designed for the maintenance of embryonic tissue. Human tissues maintained in Hibernate<sup>®</sup> media include brain tumors<sup>2</sup>, umbilical cords, and foreskins.

Product	Catalog no.	Amount	Storage	Shelf Life*
Hibernate <sup>®</sup> -A CTS™ Medium	A13705-01	500 mL	2°C to 8°C, Protect From Light	24 months, when stored as directed
Hibernate <sup>®</sup> -E CTS™ Medium	A13706-01	500 mL	2°C to 8°C, Protect From Light	24 months, when stored as directed

\*Shelf Life duration is determined from Date of Manufacture.

### Product use

For Research Use or Non-Commercial Manufacturing of Cell-Based Products for Clinical Research. Caution: Not for direct administration into humans or animals.

### Safety information

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

### Use

The following procedure is recommended for human tissues.

1. Collect tissue in a conical tube containing Hibernate<sup>®</sup> medium. Leave the tissue in this tube until all the dissections are completed.
2. Ship the tissues placed in Hibernate<sup>®</sup> medium within 24 to 72 hours on cold packs.
3. Once received, transfer the tissues into the medium of choice and initiate cultivation.
4. For brain tumors, prepare Hibernate<sup>®</sup>-2% B-27<sup>®</sup> complete medium containing 0.5 mM glutamine or GlutaMAX™-I for shipment and maintenance.

### Related products








Product	Catalog no.
GlutaMAX™-I CTS™ Supplement	A12860
B-27 <sup>®</sup> (50X), liquid	17504
Dulbecco's Phosphate Buffered Saline CTS™ (DPBS) (1X), liquid, contains no calcium, magnesium, or phenol red	A12856
Trypan Blue Stain	15250

### References

1. Brewer, G.J. and Price, P.J. (1996). Viable cultured neurons in ambient carbon dioxide and hibernation storage for a month. *Neuroreports* 7: 1509–1512.
2. Brewer, G.J. and LeRoux, P.D. (2007). Human primary brain tumor cell growth inhibition in serum-free medium optimized for neuron survival. *Brain Res.* 1157:156–66.

### Explanation of symbols and warnings

The symbols present on the product label are explained below:

			
Use By:	Batch code	Keep away from light	Temperature Limitation
			
Catalog number	Consult instructions for use	Caution, consult accompanying documents	

### Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at [www.lifetechnologies.com/termsandconditions](http://www.lifetechnologies.com/termsandconditions). If you have any questions, please contact Life Technologies at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

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For additional technical information such as Safety Data Sheets (SDS), Certificates of Analysis, visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

For further assistance, email [techsupport@lifetech.com](mailto:techsupport@lifetech.com)

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