

# Frequently Asked Questions

## J.T.Baker® DILUT-IT™ Dissolution Media Concentrates

### What are J.T.Baker DILUT-IT dissolution media concentrates?

- J.T.Baker DILUT-IT dissolution media concentrates are pre-mixed concentrates that significantly reduce the amount of time and expense required to prepare dissolution media, while also improving the quality and consistency of the media produced, which ultimately reduces rework, and simplifies the task of regulatory compliance.

### How do I use J.T.Baker DILUT-IT dissolution media concentrates?

- Simply pour the pre-mixed concentrate into a mixing chamber and add purified water to dilute to the appropriate volume depending on amount of media required (6 L, 25 L, or 50 L).

### How long do I need to mix the concentrate with the purified water?

- J.T.Baker DILUT-IT dissolution media concentrates must be mixed with purified water for approximately 5 minutes. This mixing time is much shorter than traditional in-house dissolution media mixing processes, improving lab productivity.

### After the medium is mixed, how long can I store/keep the dissolution solution?

- Like laboratory prepared dissolution medias, J.T.Baker DILUT-IT dissolution media concentrates should be used within 24 hours of mixing.

### What sizes of J.T.Baker DILUT-IT dissolution media concentrates are available?

- 230.8 mL of J.T.Baker DILUT-IT dissolution media concentrate produces 6 L of diluted solution media;
- 400 mL of J.T.Baker SLS 0.50% DILUT-IT media concentrate produces 6 L of diluted solution media;



- 961.5 mL of J.T.Baker DILUT-IT dissolution media concentrate produces 25 L of diluted solution media;
- 1.9 L of J.T.Baker DILUT-IT dissolution media concentrate produces 50 L of diluted solution media;

### How can I ensure the consistency of the finished product?

- J.T.Baker DILUT-IT dissolution media concentrates are produced in Avantor's ISO registered facilities, ensuring lot-to-lot consistency, reproducibility of results, and measurement of each batch against published product specifications.

### How do you ensure quality of your product?

- J.T.Baker DILUT-IT dissolution media concentrates are produced using raw materials in accordance with USP guidelines.

### How do you ensure the correct quantity of your product in each bottle?

- J.T.Baker DILUT-IT dissolution media concentrates are packaged to stringent fill tolerances of  $\pm 0.5\%$  of target volume.

### Will I still need to keep excess inventory of the chemicals commonly used to prepare media?

- J.T.Baker DILUT-IT dissolution media concentrates eliminate the need to store excess chemicals for time-consuming, in-house preparation of dissolution solutions.

### What are the advantages of using J.T.Baker DILUT-IT dissolution media concentrates compared to mixing media in-house or using pre-mixed dissolution solution?

- Using J.T.Baker DILUT-IT dissolution media concentrates greatly reduces the time required to prepare media in-house, enabling cost savings and improved productivity in the lab.
- Reduced storage space requirements, along with lower freight charges make J.T.Baker DILUT-IT a smarter choice than using traditional pre-mixed dissolution solutions in larger containers and bulky drums.

### Are J.T.Baker DILUT-IT dissolution media concentrates used only in R&D applications?

- J.T.Baker DILUT-IT dissolution media concentrates are suitable for all applications that require the use of dissolution media.
- Smaller package sizes are offered for research and small batch applications, while larger sizes are ideal for use in Quality Control departments.

### What temperature should I store these products at?

- J.T.Baker DILUT-IT dissolution media concentrates should be stored at room temperature.

### Can I still use J.T.Baker DILUT-IT dissolution media if it freezes?

- J.T.Baker DILUT-IT dissolution media concentrates are usable even if frozen. Simply let the media thaw at room temperature and use as normal when it has fully returned to a liquid state.

### What type of container is J.T.Baker DILUT-IT dissolution media available in?

- J.T.Baker DILUT-IT dissolution media concentrates are packaged in high-density polyethylene bottles (HDPE) for enhanced safety.

### Why should I buy the J.T.Baker DILUT-IT dissolution media line of products?

- J.T.Baker DILUT-IT dissolution media concentrates provide increased productivity and cost savings for laboratory analysts/chemists performing dissolution testing because they eliminate many of the time-consuming steps which are typically associated with solution preparation.

### Are samples available? If so, how do I go about requesting samples?

- Samples are available in the 230.8 mL size. Please contact your local distributor or MBI sales representative to request a sample.

### What are the minimum purchasing requirements?

- J.T.Baker DILUT-IT dissolution media concentrates are offered in convenient packaging configurations and require minimal storage capacity. The 230.8 mL size and the 400 mL sizes of SLS 0.50% are available in cases of 12, while larger size concentrates (961.5 mL and 1.9 L) are available in cases of 6.

### What products are available?

- The current DILUT-IT dissolution media concentrates product portfolio includes the following:

Product	Product Code	Bottle Size	Concentrate Amount
0.01 N Hydrochloric Acid	D010-00	250 mL	230.8 mL
0.1 N Hydrochloric Acid	D011-00	250 mL	230.8 mL
pH 6.8 Potassium Phosphate	D014-00	250 mL	230.8 mL
pH 5.8 Potassium Phosphate	D012-00	250 mL	230.8 mL
pH 6.0 Potassium Phosphate	D013-00	250 mL	230.8 mL
pH 7.2 Potassium Phosphate	D015-00	250 mL	230.8 mL
pH 7.4 Potassium Phosphate	D019-00	250 mL	230.8 mL
pH 7.5 Potassium Phosphate	D016-00	250 mL	230.8 mL
Simulated Gastric Fluid (without enzyme)	D020-00	250 mL	230.8 mL
pH 4.5 Acetate Buffer	D017-00	250 mL	230.8 mL
pH 6.8 Sodium Phosphate	D021-01	250 mL	230.8 mL
SLS 0.50%	D018-01	500 mL	400 mL
0.01 N Hydrochloric Acid	D010-02	1 L	961.5 mL
0.1 N Hydrochloric Acid	D011-02	1 L	961.5 mL
pH 6.8 Potassium Phosphate	D014-02	1 L	961.5 mL
pH 5.8 Potassium Phosphate	D012-02	1 L	961.5 mL
pH 6.0 Potassium Phosphate	D013-02	1 L	961.5 mL

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Product	Product Code	Bottle Size	Concentrate Amount
pH 7.2 Potassium Phosphate	D015-02	1 L	961.5 mL
pH 7.4 Potassium Phosphate	D019-02	1 L	961.5 mL
pH 7.5 Potassium Phosphate	D016-02	1 L	961.5 mL
pH 4.5 Acetate Buffer	D017-02	1 L	961.5 mL
Simulated Gastric Fluid (without enzyme)	D020-02	1 L	961.5 mL
pH 6.8 Sodium Phosphate	D021-02	1 L	961.5 mL
0.01 N Hydrochloric Acid	D010-04	2 L	1.9 L
0.1 N Hydrochloric Acid	D011-04	2 L	1.9 L
pH 6.8 Potassium Phosphate	D014-04	2 L	1.9 L

Product	Product Code	Bottle Size	Concentrate Amount
pH 5.8 Potassium Phosphate	D012-04	2 L	1.9 L
pH 6.0 Potassium Phosphate	D013-04	2 L	1.9 L
pH 7.2 Potassium Phosphate	D015-04	2 L	1.9 L
pH 7.4 Potassium Phosphate	D019-04	2 L	1.9 L
pH 7.5 Potassium Phosphate	D016-04	2 L	1.9 L
pH 4.5 Acetate Buffer	D017-04	2 L	1.9 L
Simulated Gastric Fluid (without enzyme)	D020-04	2 L	1.9 L
pH 6.8 Sodium Phosphate	D021-04	2 L	1.9 L

For product specifications and technical information, visit <http://www.avantormaterials.com>



## About Avantor™ Performance Materials

Avantor™ Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macrom™, Rankem™, Diagonova™ and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors, photovoltaic cells and flat panel displays. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit [www.avantormaterials.com](http://www.avantormaterials.com) or follow [www.twitter.com/avantormaterials](https://twitter.com/avantormaterials)



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*Our Web site features ASK Avantor™ which includes live chat capabilities with customer service representatives.*  
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