

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.

At what temperature should J.T.Baker® DILUT-IT™ products be stored?

- 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.

In what types of containers are J.T.Baker® DILUT-IT™ products packaged?

- 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 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	Do10-00	250 mL	230.8 mL
0.1 N Hydrochloric Acid	Do11-00	250 mL	230.8 mL
pH 6.8 Potassium Phosphate	Do14-00	250 mL	230.8 mL
pH 5.8 Potassium Phosphate	Do12-00	250 mL	230.8 mL
pH 6.0 Potassium Phosphate	Do13-00	250 mL	230.8 mL
pH 7.2 Potassium Phosphate	Do15-00	250 mL	230.8 mL
pH 7.4 Potassium Phosphate	Do19-00	250 mL	230.8 mL
pH 7.5 Potassium Phosphate	Do16-00	250 mL	230.8 mL
Simulated Gastric Fluid (without enzyme)	Do20-00	250 mL	230.8 mL
pH 4.5 Acetate Buffer	Do17-00	250 mL	230.8 mL
pH 6.8 Sodium Phosphate	Do21-01	250 mL	230.8 mL
SLS 0.50%	Do18-01	500 mL	400 mL
0.01 N Hydrochloric Acid	Do10-02	1 L	961.5 mL
0.1 N Hydrochloric Acid	Do11-02	1 L	961.5 mL
pH 6.8 Potassium Phosphate	Do14-02	1 L	961.5 mL
pH 5.8 Potassium Phosphate	Do12-02	1 L	961.5 mL
pH 5.8 Potassium Phosphate	Do13-02	1 L	961.5 mL

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Product	Product Code	Bottle Size	Concentrate Amount
pH 7.2 Potassium Phosphate	Do15-02	1 L	961.5 mL
pH 7.4 Potassium Phosphate	Do19-02	1 L	961.5 mL
pH 7.5 Potassium Phosphate	Do16-02	1 L	961.5 mL
pH 4.5 Acetate Buffer	Do17-02	1 L	961.5 mL
Simulated Gastric Fluid (without enzyme)	Do20-02	1 L	961.5 mL
pH 6.8 Sodium Phosphate	Do21-02	1 L	961.5 mL
0.01 N Hydrochloric Acid	Do10-04	2 L	1.9 L
0.01 N Hydrochloric Acid	Do11-04	2 L	1.9 L
0.01 N Hydrochloric Acid	Do14-04	2 L	1.9 L

Product	Product Code	Bottle Size	Concentrate Amount
pH 5.8 Potassium Phosphate	Do12-04	2 L	1.9 L
pH 6.0 Potassium Phosphate	Do13-04	2 L	1.9 L
pH 7.2 Potassium Phosphate	Do15-04	2 L	1.9 L
pH 7.4 Potassium Phosphate	Do19-04	2 L	1.9 L
pH 7.5 Potassium Phosphate	Do16-04	2 L	1.9 L
pH 4.5 Acetate Buffer	Do17-04	2 L	1.9 L
Simulated Gastric Fluid (without enzyme)	Do20-04	2 L	1.9 L
pH 6.8 Sodium Phosphate	Do21-04	2 L	1.9 L

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



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