

DEAE Cellulose Resin

Cat. No. diethylaminoethyl-004C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DEAE-Cellulose is a cellulose ion-exchange adsorbent used in ion exchange chromatography.
Description	CAS number is 9013-34-7. MDL number: MFCD00146622
Form	Solid
Usage	Provided as a dry resin. The following procedure should be carried out in a Buchner funnel: Suspend dry resin in 5 volumes diH₂O and allow to swell and settle for 30-45 minutes. Measure volume of settled resin to determine Column Volume (CV) for washing steps. For activation/regeneration: 1, Filter suspension and re-suspend resin in 2 CV of 0.1M NaOH/0.5M NaCl for 10 minutes. Pour slurry into Buchner funnel and allow buffer to slowly drain off (1 V buffer in 5 minutes); 2, Repeat using 0.5M NaCl (without 0.1M NaOH); 3, Repeat using 0.1M HCl/0.5 M NaCl; 4, Repeat using diH₂O; 5, Continue washing with diH₂O until effluent pH is 5 or greater (~5-10 CV); 6, Suspend the resin in 2 CV of 1M NaCl and adjust pH to 7-8 with NaOH and store at 4°C.

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To Use Resin:

- 1, Filter resin and pass 5 CV of diH₂O through resin;
- 2, Resuspend in 2 CV of 10X buffer of your choice and filter;
- 3, Remove resin from funnel and re-suspend with 5 CV of 1X buffer and filter. Wash with 1X buffer until pH is within 0.15 pH units of the 1X buffer;
- 4, Pack resin into column via gravity flow;
- 5, Apply sample, wash resin, and elute sample.

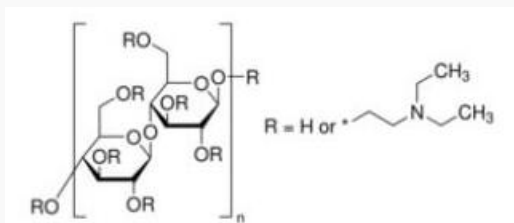
Storage

Store at 4 centigrade.

GENE INFORMATION

Synonyms

Diethylaminoethyl-cellulose



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