

## Guanidine HCl, 8M Solution (J842)



Guanidine Hydrochloride is a strong chaotic agent that is often used at high concentrations in both RNA and protein purification procedures. It denatures native proteins and thus inactivates RNases and proteases.

This compound is frequently used in RNA purification, particularly for the isolation of intact mRNA from tissues or cultured cells. It is also extremely useful for dissolving protein inclusion bodies. When proteins are expressed in bacterial systems they precipitate inside the cells in inclusion bodies which can be isolated after cell lysis. Guanidine Hydrochloride will dissolve these inclusion bodies, releasing the proteins into solution. Subsequently removing the Guanidine Hydrochloride by dialysis allows the proteins to refold to their active forms.

AMRESCO's 8M Guanidine Hydrochloride solution is made from high purity guanidine hydrochloride and has been tested for DNase, RNase, and protease activity. It is conveniently premixed to save valuable time and is concentrated enough to be used as a starting point for almost any RNA or protein purification procedure.

### Ordering Information:

	Code	Size
Guanidine HCl, 8M Solution	J842	4 L

**FOR LABORATORY RESEARCH USE ONLY**

