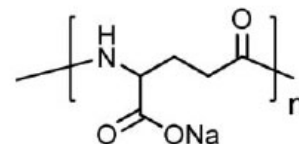


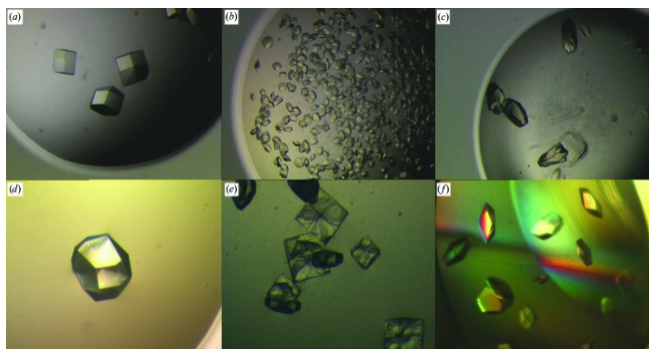
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New and exclusive!

PGA screen



Novel precipitant, Totally New Crystallization Space!

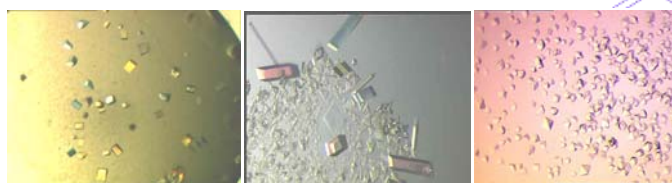


A revolutionary new systematic screen based on the poly- γ -glutamic acid (PGA) polymer.

Suitable for both globular and membrane protein crystallization!

Features of the PGA screen:

- Stand-alone completely new protein precipitant.
- Easy mixing properties with other PEGs.
- Primarily for membrane protein crystallization, but applicable to globular proteins.
- Especially useful for labile, easily precipitating proteins.
- Non-toxic and non-denaturing.
- Compatible with liquid—handling robots.

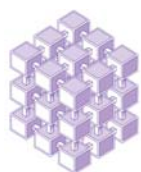


Some Examples of Membrane protein crystals grown from a variety of PGA-LM conditions.

PGA is the first of the new breed of chemical polymers that exploit poly-amino acids to unlock new areas of crystallization space. The high nucleation-precipitation potential of PGAs enables their use at very low concentrations and in combination with classical precipitants, thus scaling down the amount of precipitant necessary for crystal appearance and growth. This feature of PGAs makes them especially useful in applications for labile, easily precipitating proteins.

Reference: TC Hu, J Korczynska, DK Smith, AM Brzozowski - *Acta Crystallographica Section D: Biological Crystallography*, 2008. D64, 957-963.

Available in either 10ml unmix (for full control of pH, MD1-49) 10ml premixed (MD1-50) or 1ml HT block (MD1-51) formats.



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