

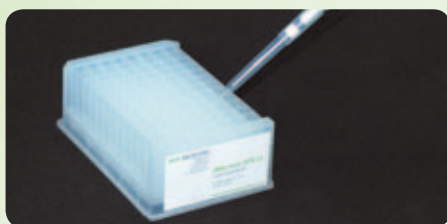
**NEW**

# Pi-minimal & Pi-PEG Screen



## Application

Efficient crystallization screening of soluble and integral membrane proteins.



## Formats

Bulk – 96 screening solutions in 10 ml aliquots

HTS – 96 solutions delivered in a 96 deep-well block, 1.7 ml per well

The **Pi-Screens** were developed at the **MRC Laboratory of Molecular Biology** (Cambridge, UK) for efficient crystallization screening of soluble and integral membrane proteins [1]. The approach is based on **incomplete factorial design**.

The unique formulations were generated following a strategy named **Pi sampling** [1] in order to create **novel combinations** of precipitants, buffers and additives across a standard 96-condition plate layout. Thus, the **diversity amongst the crystallization conditions** is ideal for initial screening.

The efficiency of the Pi-minimal Screen and the Pi-PEG Screen was demonstrated by the crystallization of 10 soluble proteins and obtaining the first quality crystals of a GPCR (A<sub>2A</sub>R-GL31), respectively [1].

<b>Pi-minimal Screen</b>	<b>Bulk size</b>	96 reagents, 10 ml each	CS-127 450 €
	<b>HTS</b>	1.7 ml per well	CS-211L 225 €
<b>Pi-PEG Screen</b>	<b>Bulk size</b>	96 reagents, 10 ml each	CS-128 450 €
	<b>HTS</b>	1.7 ml per well	CS-212L 225 €

## Reference

[1] Gorrec *et al.* (2011) Pi sampling: a methodical and flexible approach to initial macromolecular crystallization screening. *Acta Cryst. D* **67**:463.

Get informed about our crystallization screens at:

[www.jenabioscience.com/screens](http://www.jenabioscience.com/screens)



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