JBScreen Classic 1 (PEG 400 to 3000 based)

The JBScreen Crystal Screening Kits 1-10 cover 240 of the most prominent buffers for protein crystallization. Their compositions result from data mining of several thousands of crystallized proteins. JBScreen represents the statistically most successful buffers that yielded protein crystals suitable for X-ray diffraction. The JBScreen buffers are principally ordered by type and concentration of the precipitant. This allows easy extraction of all relevant information and is already a first step to a refinement: Once you get a hit, you immediately see the effects of the neighbouring conditions. Subsequent fine tuning of preliminary hits will be much more efficient. Apart from saving you the tedious pipetting, sterile packed aliquots have several other important advantages: While common bulk solutions are frequently contaminated by the time you use the first aliquot, JBScreen is alalways fresh and sterile. Evaporation of solvent (with the resulting change of the buffer) just won□t happen □you will get extremely reproducible screening results.

The kit contains the following buffers:
A1 15% PEG 400, 0.1 M Na Acetate pH 4.6, 0.1 M Ca Chloride
A2 15% PEG 400, 0.1 M Na MES pH 6.5
A3 15% PEG 400, 0.1 M Na HEPES pH 7.5, 0.2 M Mg Chloride
A4 15% PEG 400, 0.1 M TRIS HCl pH 8.5, 0.2 M Na Citrate
A5 25% PEG 400, 0.1 M Na Acetate pH 4.6, 0.1 M Mg Chloride
A6 25% PEG 400, 0.1 M TRIS HCl pH 8.5, 0.2 M Li Sulfate
B1 28% PEG 400, 0.1 M Na HEPES pH 7.5, 0.2 M Ca Chloride
B2 30% PEG 400, 0.1 M Na Acetate pH 4.6, 0.1 M Ca Chloride
B3 30% PEG 400, 0.1 M Na MES pH 6.5, 0.1 M Na Acetate
B4 30% PEG 400, 0.1 M Na MES pH 6.5, 0.1 M Mg Chloride
B5 30% PEG 400, 0.1 M Na HEPES pH 7.5, 0.2 M Mg Chloride
B6 30% PEG 400, 0.1 M TRIS HCl pH 8.5, 0.2 M Na Citrate
C1 30% PEG 550 MME, 0.1 M Bicine pH 9.0, 0.1 M Na Chloride
C2 25% PEG 550 MME, 0.1 M Na MES pH 6.5, 0.01 M Zn Sulfate
C3 25% PEG 1000, 0.1 M Na HEPES pH 7.5
C4 30% PEG 1000, 0.1 M TRIS HCl pH 8.5
C5 15% PEG 1500
C6 20% PEG 1500, 0.1 M Na HEPES pH 7.5
D1 30% PEG 1500
D2 20% PEG 2000 MME, 0.1 M TRIS HCl pH 8.5, 0.01 M Ni Chloride
D3 25% PEG 2000 MME

D4 30% PEG 2000 MME, 0.1 M Na MES pH 6.5, 0.1 M Na Acetate
D5 20% PEG 3000, 0.1 M Na HEPES pH 7.5, 0.2 M Na Acetate
D6 30% PEG 3000, 0.1 M TRIS HCl pH 8.5, 0.2 M Li Sulfate

Ordering Information

Order Online »

JBS-CS-101L	1Kit

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Contents	**JBS-CS-101**: 24 buffers, delivered in 0.7 ml sterile aliquots, with 10 units per kit. Alternatively, the JBScreen Mixed kit contains one single shot of all the 240 buffers. The 6×4 format of the units allows a convenient 1:1 setup for 24 (or multiples thereof) well plates. It's easy to use □every ampoule and the unit's package has a □coordinate system□(A1□A6 … D1□D6), thus almost certainly eliminating errors. **JBS-CS-101L**: All 24 solution of the JBScreen system in sterile 10ml quantities (Bulk). **JBS-CS-101S**: 24×10 sterile aliquots of the JBScreen buffers, supplied as 10-ampoule blocks, with 0.7ml per ampoule (Refill).
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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