

USER INFORMATION

NAME: _____ **TITLE:** _____
E-MAIL: _____ **TEL.:** _____
DATE (DD/MM/YYYY): _____ **FAX:** _____
DEPARTMENT: _____ **INTERNAL ID NUMBER:** _____
COMPANY/INSTITUTION: _____ *(To be filled by La Factoría de Cristalización)*

SAMPLE INFORMATION

SAMPLE ID: _____
PROTEIN NAME: _____
CONCENTRATION (mg/ml): _____ **SAMPLE VOLUME (μ L):** _____
Note: In addition to the volume of sample required for the screenings, we need 10 μ L extra for pipetting purposes

RECOMMENDED CRYSTALLISATION SCREENING PACKS (20°C)

(experiments are run at 20°C; if you wish to run at 4°C, please tick here ; for both temperatures tick here)

NAME	DESCRIPTION	CHOOSE DROP VOLUME
VAPOUR DIFFUSION SCREENING PACK (30 μL of sample)	<ul style="list-style-type: none"> ▪ Mol. Dimen. JCSG-plus Screen I & II (sparse matrix) ▪ Hampton Crystal Screen I & II (sparse matrix) ▪ Mol. Dimen. PACT Premier (PEGs at different pHs and additives) 	
COUNTER DIFFUSION SCREENING PACK (12 μL of sample)	<ul style="list-style-type: none"> ▪ Triana S&T GCB-CSK-24 (sparse matrix) ▪ Triana S&T KIT-PEG448-49 (PEGs at different pHs) ▪ Triana S&T KIT-AS-49 (ammonium sulphate at different pHs) 	
COMBINATION PACK (28 μL of sample)	<ul style="list-style-type: none"> ▪ Triana S&T GCB-CSK-24 (sparse matrix) ▪ Mol. Dimen. PACT Premier (PEGs at different pHs and additives) ▪ Hampton Research SaltRx HT Screen (salts and pH matrix) 	

CRYSTALLISATION SCREENS (Please choose the vapour diffusion plate/s from the list on the next page, and the temperature that you wish to run; each plate has 96 conditions)

PLATE nº	DROP VOLUME	20°C	4°C

Instruments: Vapour diffusion crystallization experiments (1:1, 200 nL drops) are set up with a Star Plus crystallization robot (Hamilton) using Greiner Crystal Quick plates (flat bottom, untreated). Counter diffusion experiments are set up in GCB-D (Triana Science & Tech) in 0.1 mm capillaries. Experiments are followed by optical microscopy overnight, after 3 days, 1 week and 3 weeks.

LIST OF CRYSTALLIZATION SCREENS AVAILABLE FOR VAPOUR DIFFUSION EXPERIMENTS(Each plate requires 10 μ L of sample)

PLATE nº	DESCRIPTION (SPARSE MATRIX)
Plate_1	Hampton Crystal Screen I & II
Plate_2	Mol. Dimen. Structure Screen I & II
Plate_3	Mol. Dimen. JCSG-plus Screen I & II
Plate_4	Jena Screen Classic I, II, III & IV
PLATE nº	DESCRIPTION (SPECIFIC COMBINATIONS)
Plate_5	Hampton PEG/Ion Screen I & II (PEGs, salts and buffers)
Plate_6	Hampton Research SaltRx HT Screen (salts and pH matrix)
Plate_7	Hampton PEGRx Screen I & II (PEGs at different pHs and additives)
Plate_8	Mol. Dimen. PACT Premier (PEGs at different pHs and additives)
Plate_9	Jena Nuc-Pro I, II, III & IV (PEGs, salts and additives)
Plate_10	Jena Screen PEG/Salt I, II, III & IV (PEGs, salts and buffers)
Plate_11	Mol. Dimen. Morpheus (3D grid screen incorporating small molecule additives)