

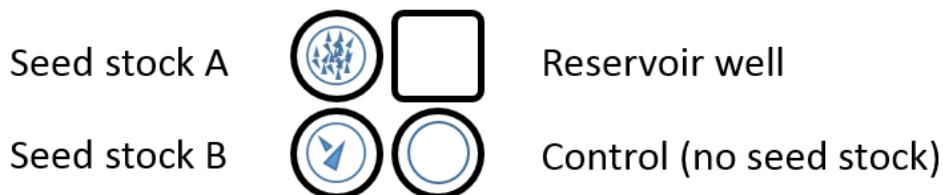
Two seed stock MMS (Microseed Matrix Screening)

Dear Crystallographer

Dispense powerful **MMS** screening experiments with an Oryx:

- Dispense using a flexible re-usable **4-channel microtip**.
- Available for **OryxNano** or **Oryx8**.
- Minimal protein and **seed stock** required (virtually zero waste).
- Dispense to any sitting drop plate.
- Easy to use software (image below).

In the example below a 4-channel microtip is used to dispense protein and two seed stocks. The two seed stocks could be from different sources, for instance a similar protein with some homology, or they could be different dilutions of the same seed stock.



<p>Droplet One</p> <p>Protein Volume [µl] 0.15 Seed Stock A Volume [µl] 0.05 Seed Stock B Volume [µl] 0.00 Crystal Screen Volume [µl] 0.10</p> <p>Droplet Position</p>	<p>Destination Plate</p> <p>Experiment Type Sitting Drop SwissCI_3Drop Plate Barcode Wells to be dispensed 96 Dispensed drops per well 3 Number of plates to do 1 Extra plates option <input type="checkbox"/> Use Evaporation Shield <input checked="" type="checkbox"/></p> <p>Solution Settings</p> <p>Number of Additives 2 Protein Name Protein Additive 1 Name Seed Stock A Additive 2 Name Seed Stock B Screen Name Crystal Screen</p> <p>Total Protein Required [µl] 43.93 Total Additive 1 Required [µl] 5.15 Total Additive 2 Required [µl] 5.15</p> <p>Viscosity Settings</p> <p>Protein 1. Like water Additive 1 3. e.g 30% PEG 4k Additive 2 3. e.g 30% PEG 4k Screen (worst case) 3. e.g 30% PEG 4k</p>
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To request a quotation or demonstration please contact Hilary@douglas.co.uk

For product support contact Stefan@douglas.co.uk

For anything else please contact Info@douglas.co.uk

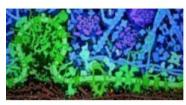
Douglas Instruments will be at the following meetings:

Visit our booth and pick up a microseeding toolkit containing everything you need to do a [MMS microseeding experiment](#) including a Hampton Research Seed Bead and Crystal Crusher.

**AsCA
2016**

AsCA 2016, Hanoi, Vietnam

4 - 7th December 2016



Biological Structures Group Winter Meeting 2016, Birkbeck College, London

December 19th 2016



**BCA
2017**

British Crystallographic Association Spring Meeting 2017, Lancaster University, UK

April 10th - 13th 2016

IUCr 2017, Hyderabad, India



Recent citations of Douglas Instruments products

[Targeting flavivirus RNA dependent RNA polymerase through a pyridobenzothiazole inhibitor](#)

Tarantino D, Cannalire R, Mastrangelo E, Croci R, Querat G, Barreca ML, Bolognesi M, Manfroni G, Cecchetti V, Milani M

Antiviral Research 134 (2016): 226-235.

[Molecular architecture of the human sperm IZUMO1 and egg JUNO fertilization complex](#)

Aydin, H., Sultana, A., Li, S., Thavalingam, A. and Lee, J.E

Nature 534, 562-565 (23 June 2016)

[Crystal structure of the prefusion surface glycoprotein of the prototypic arenavirus LCMV](#)

Hastie, K.M., Igouet, S., Sullivan, B.M., Legrand, P., Zandonatti, M.A., Robinson, J.E., Garry, R.F., Rey, F.A., Oldstone, M.B. and Saphire, E.O

Nature structural & molecular biology, 23(6), pp.513-521

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