

SelectScreen® Ordering and Compound Supply Information

Step 1:

Sign one copy of the SelectScreen® Profiling Quote.

Step 2:

Obtain Purchase Order. Purchase order must reference the quote number, the total project value, and include the bill to address AND ship to address.

Customers in Asia-Pacific should contact Timothy Wong at timothy.wong@lifetech.com or +852 2407 8450.

**Customers from Asia-Pacific will require importation documentation and commercial invoices to be prepared in advance of compound shipment. Life Technologies can help to facilitate this process. Please contact Mike Harvey at michael.harvey@lifetech.com or 608-204-5342 for assistance.

Step 3:

Complete the SelectScreen® Web-based Project Submission Form.

SelectScreen® Kinase Profiling

Visit <http://tools.invitrogen.com/content.cfm?pageid=10520&fuseaction=kinase.startOrder> . Enter the numeric portion of your quote number (for example, SSBK9090). Fill out the order form. This form automatically generates the WORK ORDER for your project based on the details provided. Therefore, provide correct and complete information. If you make any errors when completing the form, corrections can be made at the final confirmation page prior to submission. An e-mail confirmation and summary document will be sent to you when your order has been placed.

Step 4:

Supply your compounds.

- **Concentration:**

Biochemical Profiling/Screening - Provide compounds in 100% DMSO at **100X** the screening concentration for single point percent inhibition determination, or **100X** the top screening concentration for IC₅₀ curves. Higher concentrations are acceptable if the minimum volume requirements are met (See Volume section below).

We cannot accommodate powder/dry samples.

- **Volume:**

Single Point Determinations or IC₅₀ Determinations for Biochemical Based Projects

Multiply the number of kinases to be screened by 1.5 µL to determine the necessary volume. For example, to screen 100 kinases, supply 150 µL of each compound. **Minimum amount required is 75 µL**, regardless of number of kinases. If supplying more concentrated samples (>100X), the minimum volume required is still 75 µL. Volumes required for library screening are project specific. Please discuss this with the Screening team through Mike Harvey prior to compound submission.

Number of Kinases	Minimum Volume
≤ 50 kinases	75 µL
>50 kinases	1.5 µL * # of kinases

Single Point followed by IC₅₀ Determinations for Biochemical Based Projects

We can return to previously supplied compounds to perform follow up experiments. If you anticipate following up a single point project with IC₅₀ determinations, we suggest providing a higher concentration than 100X. We will be happy to discuss this with you directly through Mike Harvey. Alternatively, if you are screening only a small number of kinases in Single Point with potential follow-up, you could send 150 µL of 100X, as long as the number of kinases is under 50. We will store the compounds for 6 months, or until we no longer have the minimum volume necessary to run a project (i.e. 75 µL), whichever comes first. The compounds will be stored under the specified conditions, and you should consider whether your compounds can tolerate multiple freeze/thaw cycles. It is your responsibility to monitor this when deciding whether to supply fresh compound for follow up experiments.

• Format:

If you are supplying 10 or less compounds, you may supply them in clearly labeled Eppendorf tubes. For greater than 10 compounds, we suggest providing your compounds in plates. Include a hard copy of the plate plan with locations and names of compounds (must correspond with names provided on web-submission form) in the shipment with the compounds and electronically by e-mail to selectscreen@lifetech.com. Please use the following format:

project #	cmpd name	supplied conc (nM)	100X testing conc (nM)	plate ID	well	supplied vol (ul)

We recommend U- or V-bottomed polypropylene plate types such as Corning Cat. No. 3363 or 3365 (96-well). Please label your plate(s) with the unique identification specific to that plate and order (i.e barcode number). If another plate type is required, please e-mail us to confirm that we have used this plate type before. Secure and/or seal tubes or plates tightly to prevent leakage. We recommend the use of Corning Thermowell Sealing Tape (part #6569) for compounds being shipped in plates on dry ice. Include any special storage or handling instructions. Format required for library screening are project specific. Please discuss this with the Screening team through Mike Harvey prior to compound submission.

Biochemical Single Point Profiling and Single Point with IC₅₀ follow up Plate layout:

96-well - Leave row A empty and columns 11-12 empty. Add compounds left to right, top to bottom.
70 compounds per plate.

<>	1	2	3	4	5	6	7	8	9	10	11	12
A	LEAVE THESE WELLS EMPTY										LEAVE THESE WELLS EMPTY	
B	1	2	3	4	5	6	7	8	9	10		
C	11	12	13	14	15	16	17	18	19	20		
D	21	22	23	24	25	26	27	28	29	30		
E	31	32	33	34	35	36	37	38	39	40		
F	41	42	43	44	45	46	47	48	49	50		
G	51	52	53	54	55	56	57	58	59	60		
H	61	62	63	64	65	66	67	68	69	70		

Biochemical IC₅₀ Profiling Plate Layout:

96-well - Leave row A empty and columns 11-12 empty. Add compounds top to bottom, left to right.
70 compounds per plate.

<>	1	2	3	4	5	6	7	8	9	10	11	12
A	LEAVE THESE WELLS EMPTY										LEAVE THESE WELLS EMPTY	
B	1	8	15	22	29	36	43	50	57	64		
C	2	9	16	23	30	37	44	51	58	65		
D	3	10	17	24	31	38	45	52	59	66		
E	4	11	18	25	32	39	46	53	60	67		
F	5	12	19	26	33	40	47	54	61	68		
G	6	13	20	27	34	41	48	55	62	69		
H	7	14	21	28	35	42	49	56	63	70		

- Temperature:**

Ship compounds at a temperature that is appropriate for your compounds. If sending frozen samples, we suggest pre-freezing prior to shipment to prevent leakage. We will store compounds under the same conditions as they were shipped unless otherwise specified for 6 months. If you anticipate following up single point projects with IC₅₀ determinations, we will store the compounds for 6 months or until we reach our minimum threshold volume to run a project (i.e. 75 µL), whichever comes first.

- Shipping:**

For projects to be completed by the European SelectScreen® location, ship compounds to:

Life Technologies SelectScreen Profiling
Attn: Reception
 3 Fountain Drive
 Inchinnan Business Park
 Paisley PA4 9RF
 United Kingdom

Compounds are shipped at client's expense and will be destroyed 6 months following the completion of the project. If other arrangements are required, please contact Mike Harvey at michael.harvey@lifetech.com or 608-204-5342.

Upon shipment of compounds, send package tracking number to: selectscreen@lifetech.com. We will send an e-mail to you confirming receipt of compounds by our screening lab.