# How to get the HTPG sample file and Intertek Order Form

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#### There are 2 ways of generating The Intertek Order form and the HTPG sample file:

- Using Simple tracker Galaxy tool: This tool on Galaxy generated a prefilled sample file, Plate Barcodes, a completely pre-filled sample list and filled plate layout. The input file required for this tool is a text file with 2 columns (germplasm\_name and number\_of\_plants)
- 2. Using Order form and HTPG sample file generator: This tool generates these two files and pre-fills the sample ID columns with randomly generated Unique IDs.

See the next slides for a step to step guide of how to generate these files using the 2 approaches above

## 1. Using Simple tracker Galaxy tool to get Order Form and Sample File



Prepare a (tab-delimited) text file with the column headers (germplasm\_name and number\_of\_plants) as showed below and save.

simpleTracker\_input - Notepad

File Edit Format View Help germplasm\_name number\_of\_plants XBL-167 91 RRN 73 ACN-1 195 SUBI-5c 25 YGS 108 BRIA-2 222

### Step 2:

go to:

#### ICRISAT Galaxy Server http://52.77.250.26:8080/

Or

**EiB Galaxy Instance** http://13.250.212.83

#### **Galaxy Interphase**



#### Click here

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All files should be saved as showed above and they can be renamed

# Approach 2: Using Order form and HTPG sample file generator

#### Automated generation of the Intertek Order form and HTPG Sample file (with Unique IDs)



#### Automated generation of the Intertek Order form and HTPG Sample file (with Unique IDs)

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#### Automated generation of the Intertek Order form and HTPG Sample file (with Unique IDs)

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#### File 1: Intertek Order form

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3 4 5 6 7 8 9 10 11 12 13 14	<ul> <li>Sample ID = Subject ID: Unique identifier no longer than 30 characters and excluding "," (comma).</li> <li>The Sample / Subject ID will be the Sample / Subject ID in the GRID report with SNP results.</li> <li>All Sample IDs should be unique, including the positive (parental) control samples.</li> <li>All BLANKS, e.g. verify plate identity, missing plant in the field, etc. should have an unique ID to be included in the SNP results report.</li> <li>Wells H11 and H12 should be part of this sample list, but should be left empty (contain no text). They are used as lab controls.</li> <li>Plate ID: Unique identifier no longer than 21 characters long and excluding "," (comma).</li> <li>Well location: location of sample on 96-format tissue plate. Use 'A01' instead of 'A1'. There is no restriction in the following order of the samples.</li> <li>Comments: note here any issues which might affect the quality of the samples and/or plates.</li> <li>Additional columns with sample information, such as pedegree, field locations etc. are welcome, but not required and will not be included in the report.</li> </ul>														
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#### File 2: HTPG Sample File (Metadata) Template

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#### The second worksheet in the HTPG Sample file has an example of a completed example to guide you

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4 43b60a8864c4	XBL-167-s3	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 upland		Fill with Germplasm ID or plot ID	Do not edit	3	3 AfriRio	e-KB-IVC-08-18-plate	d C	1
5 eb3c0afb963c	XBL-167-s4	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 upland				4	4 AfriRio	e-KB-IVC-08-18-plate	1D	1
6 041e37041746	XBL-167-s5	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xЫ-2018-P	3 upland				5	5 AfriRio	e-KB-IVC-08-18-plate	1E	1
7 ed19fd708927	XBL-167-s6	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	'3 upland				6	6 AfriRio	e-KB-IVC-08-18-plate	1F	1
8 66324c99753e	XBL-167-s7	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 upland				7	7 AfriBio	e-KB-IVC-08-18-plate	16	1
9 33b8a0f69eea	XBL-167-s8	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xЫ-2018-P	3 upland				8	8 AfriRio	e-KB-IVC-08-18-plate	1H	1
10 45d4e08a/b5/	XBL-167-s9	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbi-2018-P	3 upland				9	9 AfriRio	e-KB-IVC-08-18-plate		2
11 edit59da/d58	XBL-167-s10	XBL-100	KH-104/Sika-105	F1	KH 104 RP	Sika-105	UP xbi-2018-P	3 upland				10	10 AfriRio	e-KB-IVC-08-18-plate	B	2
12 13d1rb26c36c	XBL-167-s11	XBL-100	KH-104/Sika-105	F1	KH 104 RP	Sika-105	UP xbi-2018-P	3 upland				11	11 AfriBio	e-KB-IVC-08-18-plate		4
13 e55de89d3d4c	ABL-167-512	XBL-100	KH-104/5ika-105		KH IU4 HP	Sika-105	DP XDI-2018-P	3 upland				12	12 AfriHid	e-NB-IVL-08-18-plate		12
14 aUD87F5D99c5	XBL-167-SI3	XBL-100	KR-104/5ika-105		KR IU4 RP	Sika-105	DP XDI-2018-P	3 upland		•		13	I3 AfriBio	e-KB-IVC-08-18-plate		4
15 9Ca3 IFU64D28	XBL-167-514	XBL-100	KR-104/51ka-105		KR 104 RP	Sika-105	DP XDI-2018-P	3 upland				14	14 AFFIRIO	e-NB-IVC-08-18-plate		4
16 F1/40/Se0456	XBL-167-S15	XBL-100	KR-104/Sika-105	FI	KR 104 RP	Sika-105	DP XDI-2018-P	3 upland				10	ID AFFIRIO 10 AGGDG	e-NB-IVC-08-18-plate		12
10 00-st-d0-00d	ADL-107-S10	XBL-100	KD-104/Sika-105			Olka-100	DF XDI-2010-F	o upland				10		- KD IVC 00 10 - Ista		12
10 03ddrCu2e600	ADL-107-S17	XBL-100	KP-104/Sika-105			Citia 105	DP XDI-2010-P	3 upland				17	17 AMIDIC 19 AG:D:a	<ul> <li>KD IVC 00 10 plate</li> </ul>		12
20 7d590700036d7	ADL-107-S10	XBL-100	KP-104/Sika-105			Sika-105	DP XDI-2010-P	3 upland				10		e-KB-IVC-00-10-plate		12
20 70360703FC07	XPL-167-513	XBL-100	KP-104/Sika-105			Sika-105	DP x01-2010-P	3 upland				13		e-KB-IVC-00-10-piate		12
22 b2c61fea53f3	XBL-167-s20	XBL-100	KR-104/Sika-105	E1	KB 104 BP	Sika-105	DP vbl-2019-P	3 upland				20	20 Aminic 21 AfriBio	e-KB-IVC-00-10-piate		13
23 79fe18e33844	XBL -167-s22	XBL -100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP vbl-2018-P	3 upland				21	22 AfriBio	e-KB-IVC-08-18-plate	1F	3
24 132c1ded06a1	XBL -167-s23	XBL -100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 upland				22	22 AfriBio	e-KB-IVC-08-18-plate	16	13
25 21dddd729df9	XBL -167-s24	XBL -100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 upland				23	24 AfriBio	e-KB-IVC-08-18-plate	dH	3
26 c0d2d40b80a3	XBL -167-s25	XBL -100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 upland				25	25 AfriBio	e-KB-IVC-08-18-plate	14	4
27 b4ff5601f33a	XBL-167-s26	XBL-100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 Mangroove	)			26	26 AfriRio	e-KB-IVC-08-18-plate	1B	4
28 1b8badb4e7ac	XBL-167-s27	XBL-100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 Mangroove				27	27 AfriBio	e-KB-IVC-08-18-plate	ic	4
29 31250a1658c4	XBL-167-s28	XBL-100	KB-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 Mangroove	1			28	28 AfriBio	e-KB-IVC-08-18-plate	1D	4
30 bf813c051e0e	XBL-167-s29	XBL-100	KR-104/Sika-105	F1	KB 104 BP	Sika-105	DP xbl-2018-P	3 Mangroove	•			29	29 AfriBio	e-KB-IVC-08-18-plate	1E	4
31 405d291372cb	XBL-167-s30	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			30	30 AfriRio	e-KB-IVC-08-18-plate	1F	4
32 9e0dcf8473ee	XBL-167-s31	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove				31	31 AfriRio	e-KB-IVC-08-18-plate	i G	4
33 32acbf249a26	XBL-167-s32	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove				32	32 AfriRio	e-KB-IVC-08-18-plate	1H	4
34 84ebdccb767a	XBL-167-s33	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove				33	33 AfriRio	e-KB-IVC-08-18-plate	1 A	5
35 0a1a0da725a8	XBL-167-s34	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove				34	34 AfriRio	e-KB-IVC-08-18-plate	B	5
36 7a91a19ee917	XBL-167-s35	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			35	35 AfriRio	e-KB-IVC-08-18-plate	1C	5
37 ddf583e4140d	XBL-167-s36	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			36	36 AfriRio	e-KB-IVC-08-18-plate	1D	5
38 6ef93fce854e	XBL-167-s37	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			37	37 AfriRio	e-KB-IVC-08-18-plate	i E	5
39 8120bf038796	XBL-167-s38	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			38	38 AfriRio	e-KB-IVC-08-18-plate	F	5
40 4f5a521ebb69	XBL-167-s39	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xЫ-2018-P	3 Mangroove	•			39	39 AfriRio	e-KB-IVC-08-18-plate	1G	5
41 411a3bb4c74b	XBL-167-s40	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			40	40 AfriRio	e-KB-IVC-08-18-plate	1 <u>H</u>	5
42 ea5e2d70113d	XBL-167-s41	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			41	41 AfriBio	e-KB-IVC-08-18-plate	1 <u>A</u>	6
43 46ae43d86596	XBL-167-s42	XBL-100	KR-104/Sika-105	F1	KR 104 RP	Sika-105	DP xbl-2018-P	3 Mangroove	•			42	42 AfriBio	e-KB-IVC-08-18-plate	<u>18</u>	6
44   42a4e51095be	XBL-167-s43	XBL-100	KR-104/Sika-105	IF1	KR 104 RP	Sika-105	DP   xbl-2018-P	3 Mangroove				43	43 AfriRic	e-KB-IVC-08-18-plate	atC	16 *
• •	Sample	_file _	low_to_complet	e_Sampl	le_file SI	VP-Marl	kers_informa	tion How_to	_fill_SNP-Marker	⊕ : ◀						

#### After filling the HTPG Sample file copy the information from it to order form as shown below

HTPG Sample File /Metadata File

R1		• : ×	✓ <i>f</i> x Salt_to	lerance											
	Д	В	С	DE	F G	н	J	К	L	М	Ν	0	P Q	R	S
1 dr	arun_	name germplasm_nam	e germplasm_pedigregern	nplasm_ty; germpla	a germpl germpl	lgerrdnasample_sam	ple_groupdnasam	dnasample_sample_parent	external_cod	well_location	plate_ID	plot_ID tria	al_nam Submerg	en Salt tole	ranc project_Pl
2 ac	f42e45	50dc XBL-167-s1	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			A01	Plate_03/18_1	1 OY	Т	5	1 Dr.Baboucarr
3 af	2ecf2a3	aeb XBL-167-s2	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			B01	Plate_03/18_1	2 OY	т	6	4 Dr.Baboucarr
4 a4	1357a8	d36a XBL-167-s3	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			C01	Plate_03/18_1	3 OY	т	3	1 Dr.Baboucarr
5 92	fdec4d	f57a XBL-167-s4	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			D01	Plate_03/18_1	4 OY	т	1	1 Dr.Baboucarr
6 1b	69a65a	0cd1 XBL-167-s5	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			E01	Plate_03/18_1	5 OY	т	5	5 Dr.Baboucarr
7 66	6b4698	d4a4 XBL-167-s6	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			F01	Plate_03/18_1	6 OY	т	5	4 Dr.Baboucarr
8 d7	a7d9c2	2637 XBL-167-s7	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			G01	Plate_03/18_1	7 OY	Т	7	5 Dr.Baboucarr
9 1b	ed55el	9889 XBL-167-s8	KR 104*2/SIKA F2	KR 104	DP SIKA	RP AfricaRice_July_2	018			H01	Plate_03/18_1	8 OY	Т	6	4 Dr.Baboucarr
												Inter	rtek Order	form	
	Α	В	С		D		E	F		G			н	- I	J
6		All Sample IDs shou	Id be unique, including	the positive (pa	arental) contr	ol samples.									
7			fy plate identity missin	og plant in the f	ield etc shou	uld have an uniqu	n ID to be inclu	ded in the SMP results rev	nort						
		Walls H11 and H12	should be part of this of	ample list but		t omntu (containu	a tout Thou a								
0		Nells HIL and HIZ:	should be part of this so	ampie list, but : 21 ab ana at ang la		l'enply (contain i	io text). Hey a								
9		Place ID: Unique ide	entitier no longer than 2	21 characters lo	ng and exclud	aing , (comma).			6.1						
10		Well location: locati	on of sample on 96-for	mat tissue plate	e. Use 'AUI' ir	nstead of AI. In	ere is no restric	tion in the following orde	er of the sam	ples.					
11		Comments: note he	re any issues which mig	ght affect the qu	iality of the s	amples and/or pl	ates.			_					
12		Additional columns	with sample information	on, such as pede	egree, field lo	cations etc. are w	elcome, but no	t required and will <b>not</b> be	e included in	the report					
13															
14		*The first 3 columns	and 'Species / Crop' ar	re Required fiel	ds										
15		Sample ID*	Plate II	D*	Well locati	on* Si	ubject Barcode	Plate Barcode	•	Comme	nts	Samp	ole Name		
16	1	acf42e4550dc	Plate_03/18_1	A01							X	BL-167-s1			
17	2	af2ecf2a3aeb	Plate_03/18_1	B01							XI	BL-167-s2			
18	3	a41357a8d36a	Plate_03/18_1	C01							XI	BL-167-s3			
19	4	92fdec4df57a	Plate_03/18_1	D01							XI	BL-167-s4			
20	5	1b69a65a0cd1	Plate_03/18_1	E01							X	BL-167-s5			
21	6	666b4698d4a4	Plate_03/18_1	F01							X	BL-167-s6			
22	7	d7a7d9c22637	Plate_03/18_1	G01							X	BL-167-s7			
23	8	1bed55eb9889	Plate_03/18_1	H01							X	BL-167-s8			
24	9	16d1cb53f6dc	Plate_03/18_1	A02							X	BL-167-s9			

#### Prepare Labels using Sample File and NiceLabel

File Home Insert Pag	ge Layout Formulas Dat	a Review View 🖓 Tell me	what you want to do		Kigon	, Milcah (ICRISAT-Nairobi) $ eta_{\!$
Arial Paste ✓ Format Painter Clipboard ✓ Cut Arial ■ I	$\begin{array}{c c} \bullet & \bullet & \bullet \\ \hline \hline \hline \bullet & \bullet & \bullet \\ \hline \hline \hline \hline$	■ ≫ ▼ ₩rap Text ■ ■ ● ● ● Merge & Ce Alignment	nter $\checkmark$ General $\checkmark$ s $\checkmark$ 9 $\stackrel{\bullet.0}{_{.00}}$ $\stackrel{.00}{_{.00}}$	Conditional Format as Cell Formatting ▼ Table ▼ Styles ▼ ▼ Styles	A Line Format Cells Calar → Edit	Sort & Find & Filter * Select *
R1 · : × ·	fx Salt_tolerance	2				
A       B         1       dnarun_name       germplasm_name         2       acf42e4550dc       XBL-167-s1         3       af2ecf2a3aeb       XBL-167-s2         4       a41357a8d36a       XBL-167-s3         5       92fdec4df57a       XBL-167-s4         6       1b69a65a0cd1       XBL-167-s5         7       666b4698d4a4       XBL-167-s6         8       d7a7d9c22637       XBL-167-s8         9       1bed55eb9889       XBL-167-s8	C D  germplasm_pedigre germplasm_t kR 104*2/SIKA F2	E F G H (7 germpla: germpl: germpl gerr dnasam; KR 104 DP SIKA RP AfricaRice KR 104 DP SIKA RP AfricaRice	J         J           ble_sample_grout dnasampl dnasam	K L M nple_sample_parent external_cod H01 B01 C01 E01 F01 G01 H01	N     O     P       ation     plate_ID     plot_ID trial_nat       Plate_03/18_1     1     ovr       Plate_03/18_1     3     ovr       Plate_03/18_1     4     ovr       Plate_03/18_1     5     ovr       Plate_03/18_1     6     ovr       Plate_03/18_1     6     ovr       Plate_03/18_1     8     ovr       Plate_03/18_1     8     ovr	Q       R       S         Submergen       Salt toleranc       project_PI         5       1       Dr.Baboucarr         6       4       Dr.Baboucarr         3       1       Dr.Baboucarr         5       5       Dr.Baboucarr         5       5       Dr.Baboucarr         5       4       Dr.Baboucarr         6       4       Dr.Baboucarr