

CGIAR HTPG PROJECT

Sampling requirement, testing of many samples and sets 1-10 SNP markers.

Sampling requires two leaf discs (2LD) 5-6 mm punches to be collected from each sample and placed into the wells of 96-well plates with round, round bottom (not conical) and 1.2 ml deep wells that sustains steel bead grinding (example see link below). Leave wells H11 and H12 empty for lab controls. The sampled material has to be dry (preferably freeze dried). Seal the 96 well plate with tight silicone covers (see below illustration). Make sure to add sufficient plate labeling at the front side along the row H of the plate. The same labeling should be recognized in the order form.

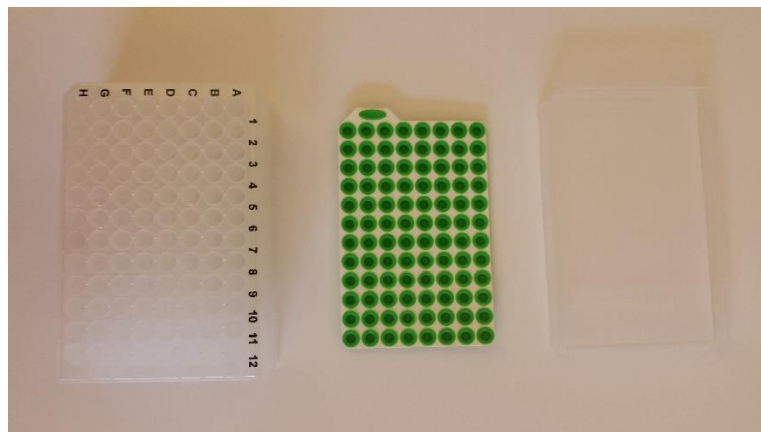
<https://www.sarstedt.com/en/products/laboratory/general-laboratory-products/deep-well-blocks/product/821970002/>

As a rough guide, we typically extract 1 µg of DNA per 2LD punch although this obviously varies considerably according to species, age of tissue, etc. It is important not to sample more than 2LD per well of the plate as this can make homogenisation of the tissue very difficult.

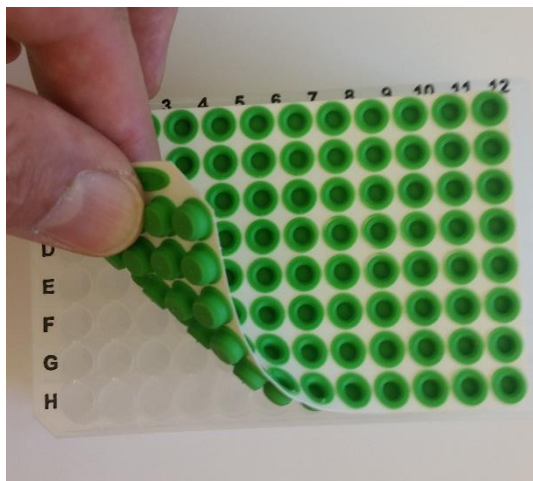
Send sample sets of 16 x 96 well plates. Initially, also 4 x 96 well plates are accepted. The fresher and younger leaf material the better DNA quality of the sample.

ALL WELLS IN A 96 PLATE AND IN AN ORDER MUST CONTAIN THE SAME SAMPLE SIZE

EXAMPLE: 96 well round bottom, 1.2ml wells, sustain steel bead grinding, silicone covers, and box lid



Example: how to send samples for 2 leaf disc sampling



Use deep well, 1.2 ml, round bottom (not conical), round wells that sustain steel bead grinding, 96 well plates.

Add in each well 2 leaf discs (as described above). Leave well H11 and H12 empty for lab controls.

Air dry (40-50 C) for 12h or lyophilize. Avoid contamination.

Close carefully the 96 well plate with rubber/silicon covers (see illustration).



Add to the front of the 96 well plate the barcode **AND** clear text your Sample ID (the name of your 96 well plate).

Via barcode you may address more information for the import to Kraken SNPLine software.



Close the 96 well with the plastic lid.

Use tape or rubber band to fix the lid.

Make sure the same information as written on the 96 well plates is included in the Intertek Order Form Sample sheet.



Send the 96 well boxes in a package with silica to avoid moisture. Add the printed Order form to the package. Send it to desired lab, Intertek Sweden or India (see "How to send samples"). In parallel, send the same Intertek Order form electronically to the desired lab.



Agri-Services

How to send samples

If you are a new customer we will contact you within 24h.

All customers will receive an order confirmation as soon as the samples have arrived.

Send samples together with a printed copy of the Order form AND in parallel electronically to the desired lab e-mail address. Make sure to provide courier tracking information.

INTERTEK SWEDEN LAB

For plant materials; it is recommended that samples sent to Sweden from outside the EU are labelled: *"For analytical purposes only, not for breeding, will be destroyed"*

Send the shipment to:

Intertek ScanBi Diagnostics,
Elevenborgsvägen 2,
230 53 Alnarp
Sweden

Phone: +46 40 69 28 001

scanbi@intertek.com or

agritech.sweden@intertek.com

INTERTEK INDIA LAB:

Send shipment to:

Intertek India Private Limited
D-53, Phase-I, IDA, Jeedimetla
Hyderabad – Telangana 500 055
India

Phone: +91 40 2319 5257

agritech.india@intertek.com

For more information and shipping solutions, contact respective laboratory