

**AMENDMENT 1**  
**(Question & Answers # 1 - 4)**

Request for Proposal (RFP) – Automated DNA Extraction Machine Rental

Buy and Sell Reference Number: PW-20-00902407

Solicitation Number: 01R11-20-C040

This solicitation amendment has been raised to answer questions asked by a potential bidder during the tendering period. The following questions have been asked and are answered as follows.

QUESTION 1

Is it possible that you provide me with a detailed protocol for DNA extraction so that we can tailor our platform for your need?

ANSWER 1

2 typical kits we are used to dealing with in house:

Kit 1: <https://biosearch-cdn.azureedge.net/assetsv6/sbeadex-maxi-plant.pdf>

Kit 2: [http://clough.cropsci.illinois.edu/protocols/qiagen/DNeasy\\_Plant\\_Handbook\\_October\\_2012.pdf](http://clough.cropsci.illinois.edu/protocols/qiagen/DNeasy_Plant_Handbook_October_2012.pdf)

QUESTION 2

In the instructions you mentioned one of the mandatory specifications for the system is the ability to accommodate standard deep well plates including 96 well formats of S blocks, Master Blocks, and elution plates. I'm wondering can you please provide me with more information about exact dimensions of these items and possibly the vendors you purchase these items from?

ANSWER 2

Standard dimensions of plates

S block	KingFisher Deepwell 96 Plate, V-Bottom, polypropylene	22-387-031	Fisher Scientific
Elution plate	KingFisher 96 KF microplate (200uL)	22-387-030	Fisher Scientific

Master block dimensions would be similar to s block, but a sturdy plate capable of taking the force of ball bearings during grinding.

One we use in house is :

<https://www.qiagen.com/ca/products/discovery-and-translational-research/lab-essentials/plastics/collection-microtubes/#orderinginformation>

Other option:

<https://us.vwr.com/store/product/4694365/masterblock-96-well-deep-well-microplates-greiner-bio-one>

QUESTION 3

In the instruction, you mentioned the mandatory specification for the machine is that it must fall within benchtop dimensions 170 cm x 76 cm x 88 cm (L x W x H - - benchtop MAX size). We have a system which matches all the requirements but the dimensions for this machine are 75.2 cm x 98.5 cm x 108.2 cm (Depth x W x H). I'm wondering will this be acceptable?

**ANSWER 3**

No, this is not acceptable. The dimensions given are the maximum we will accept. Space is limiting.

**QUESTION 4**

We have another system with the dimensions 43 cm x 65 cm x 52 cm (Depth x W x H), which is smaller than your requested dimensions. However, in order to have a minimum throughput of 96 samples per run the user need to refill the tip boxes. I'm wondering will this be acceptable? Alternatively, we can rent 2 of these machines to fulfil the requirement to have minimum throughput of 96 samples per run without the need to refill the tip box. I'm wondering will this be acceptable?

**ANSWER 4**

The smaller machine might be acceptable provided the tip boxes would only need to be refilled a maximum of one time during each 96 sample extraction run. Two separate machines is unacceptable because they would be too big and space is limiting.