**STEPHAN PHILIPS – CULTIVATION LABS**

**EZ-CLONE COMMERCIAL PRO QUESTIONAIRE**

**Was the machine easy to set up and use?**

* Yes.

**Are you currently using the machine only for propagation, or germination (seeds) too? What additives did you use during the cloning process (rooting gel, nutrients, etc)? What was you pH level set at?**

* We use two EZ Cloners, for rooting our tissue culture. We use water soluble I.B.A. In our mix. PH is generally around 6.1. We gave up fighting the PH and trying to keep it at 5.7-5.8.

**Were the built-in lights sufficient for keeping the cuttings standing upright?**

* Yes, so far so good but we removed the plastic that shielded the lights.

**How are you growing your mother plants...Soil, Hydro, Aero?**

* Aero and hydro.

**Where did your water source come from...did you use tap or filtered water?**

* R.O.

**What was the average room temperature?**

* 75℉ - 77℉

**What was the average room humidity?**

* We don’t monitor the lab but we guess around 45-50%.

**Did you use the factory set water pump timing interval of 1 min on / 4 min off?**

* No, we are still experimenting with 2 min on / 8 min off, with coco collars and seed starters. 5 min on /4 min off, neoprene only.

**If not, what did you change the water pump timing interval to?**

* See above.

**How long did it take for the cuttings to root?**

* 4-7 days, depending on strain.

**What was your success rate?**

* Neoprene seems to be our winner. 75% is a good guess for the neoprene. Coco seed starters promote too much algae growth & sometimes mold. They also tend to water-log the newly transplanted shoots. Coco seed starter success rate for our tissue culture shoots is lower, around 40-50%. The coco collars need to be tested more, but seem to not allow as much algae growth.

**Was the reservoir easy to access?**

* So-so because the need to push the tray across the center. Moving the lid to the front would help. Also, having a smaller plug/screw cap in the lid would be useful when leaving a pH sensor or mixer in the tank. Something similar to what is used on desks to drop the power cords through.

**Was the reservoir easy to drain?**

* Yes & no. We tried a hose with the drain plug but it only drains halfway due to the height and location of the drain plug. We normally attach a separate tube to the EZ pump and siphon out the nutrient solution. This is the only complaint. A flat bottom drain tube would be much better.

**Is the water filter conveniently accessible?**

* Yes.

**Did any misters clog and were the mister heads easy to remove and inspect?**

* No problems so far! But yes they are easy to remove and inspect. We had some issues when using Aza Max in the reservoir (not recommended). Cleaning the tank was difficult because the precipitate was everywhere including the top of the tank and in the lines and nozzles.

**What do you like most about the system?**

* It produces great roots and also looks cool!

**What are your biggest complaints about the system?**

* Draining the old water.

**Are you currently experiencing any issues or have any other concerns or feedback?**

* The power box and tank should sit a half inch to inch off of the floor of the machine to prevent standing water, rust and mold. Slots/holes in the floor might also help.

**If you have already done so, was it easy to clean and perform any maintenance?**

* Yes, except for cleaning the tank.