

ESS Lock N' Load Handles and Syringes



The easiest way to collect undisturbed, measured soil cores for field preservation techniques for EPA Method 5035.

- Handle locks at 5 and 10 gram settings with one easy turn.
- Beveled edge syringe is stronger than cut syringes and fits in the neck of 40 mL glass vials.
- Turn handle and push to dispense soil into the vial. Soil dispensing is done without having to remove the syringe.
- Strong, Accurate, Easy and Economical

Lock N' Load Handle and Syringes can also be used in the lab. Great for subsampling from brass sleeves or soil jars to 40mL vials for auto-sampler extraction.

Part No.	Qty/Cs	Description	Price
LL5035-HNDL	1	Lock N' Load 5035 soil handle	\$17.50 ea.
LL5035-SRNG	50/cs	Lock N' Load 5035 soil syringe	\$75.00

ESS Lock N' Load™ Handle & Syringe

Instructions for Use/S.O.P.

For taking field soil samples or sub-sampling in the lab:

1. Insert Lock N' Load™ Syringe into Lock N' Load™ Handle at base opening. Turn the locking portion of the syringe into the 0 gram setting.
2. Remove end cap from the Lock N' Load™ Syringe.
3. Position the Lock N' Load™ Handle to the desired soil sample volume (5 grams or 10 grams)*. To do this, slide the slot portion of the handle down the fitted track, then turn the handle 1/4 turn right at the desired setting.
4. Push the syringe into the soil until the plunger portion of the syringe makes contact with the base of the Lock N' Load™ Handle.
5. Transfer the soil from the syringe into a 40 ml vial** by turning the Lock N' Load™ Handle 1/4 turn left (back to the fitted track) and pushing down.
6. Cap the vial and store the sample at 4° C until time of analysis.

*USEPA Method 5035 recommends 5 grams of soil for low level analysis (with 5 mL of sodium solution) and 10 grams of soil for medium to high level analysis (with 10 mL of methanol). Sample amounts and preservative types may vary between regulatory agencies.

**Please note the beveled edge of the Lock N' Load™ Syringe is designed to fit perfectly into 40 mL vials