

Automated Fecal Egg Count System Quick Start Guide





Directions for tablet for Parasight App

1. Open Parasight App.
2. Enter the Veterinarian form data if not already auto-filled.
3. Select “Begin” button.
4. Enter the form data.
5. Once sample is prepped, process with Reagent Dispenser (RDU).
Place processed egg chamber into Imaging Unit. Close Drawer.
6. Select the green “Analyze Sample” button.
7. After sample is analyzed, select treatment, and email results.
8. Ready for next sample.

parasightTM Quick Guide V3

Parasight System (Equine) Automated Fecal Egg Count Test Veterinary Professional Use Only

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CUSTOMER SUPPORT

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GETTING TO KNOW YOUR SYSTEM

Your portable system analyzes equine fecal samples for strongyle and ascarid eggs and outputs a fluorescent image and numerical count of eggs per gram for each of the two parasites. The easy-to-use Parasight App provides a simple user interface for the electronic transmission of results.

INSIDE THE CARRYING CASE



Tablet with App and charging cable and wireless keyboard.



Sample Collector Top



Sample Filter Top



Sample Bottle



Reagent Dispenser with Egg Carriage



Imaging Unit with automatic egg chamber drawer

CONSUMABLES

One egg chamber is required for each test. Reagent fluids bottles provide enough solution for 300 tests.



Egg Chamber

Single-use.



Reagent fluids: bleach, dye and wash.

NOTE: Less dye is required in the test process. The dye (one bottle) provided will perform 300 tests.

Wash is dispensed 5x per test.

Dye is dispensed 1x per test.

Bleach is dispensed 1x per test.

SYSTEM SET UP INSTRUCTIONS

System must be setup prior to performing fecal egg count tests.

1 BEFORE USE CHARGE TABLET OVERNIGHT. Charge Tablet.



2 SETUP TABLET TO CONNECT TO WIFI.

Power Tablet ON > Slide to unlock.

Tap Settings > Tap Wifi > Connect to preferred Wi-Fi > Return to Homescreen



3 SETUP APP TO CONNECT TO IMAGING UNIT AND WIFI

The initial system should arrive with the tablet "paired" the Imaging Unit. You will still need to connect the APP to the clinic WIFI. Pairing and connection required to perform image analysis.

- Power ON Imaging Unit
- Power ON TABLET > LAUNCH APP (DOUBLE TAP) > INITIAL USE ONLY - SET UP VETERINARY PRACTICE INFO
- TAP **APP SETTINGS** icon upper > Connect to Clinic WIFI
- Verify APP connection to camera > Tap Submit button
- SETUP COMPLETE!



4 SETUP REAGENT DISPENSING UNIT



Power ON the RDU. The startup screen appears with RUN TEST displayed; if error message appears power off/on until startup appears. Carefully fill reagent bottles with solutions; take care to not overfill. Refrigerate remaining dye and bleach. Wash can remain at room temperature. Once filled, TAP settings icon, TAP INITIAL SETUP. Once initial setup is complete tap LINE ADJUST to ensure fluids are dispensing. Return to home screen. Setup complete.

TEST INSTRUCTIONS

SAMPLE PREPARATION

Homogenizing the sample with water



1 Separate Sample Collector Top from Sample Bottle.



2 Add water to Sample Bottle, filling to guide line.



3 Using Sample Collector Top, core a fresh equine fecal sample. Fill collector with approx 5g sample. You do not need to weigh sample.



4 Attach Sample Collector Top to Sample Bottle. Firmly tighten.
5 Press plunger at least 5 times to mix fecal sample with water.



6 Remove Sample Collector Top and attach Sample Filter Top to Sample Bottle. Firmly tighten.



7 Shake Sample Bottle to mix fecal sample and water again. Shake from side to side (not up and down) to avoid spilling. Then squeeze bottle until fluid fills valve in Sample Filter Top. Release bottle. Set aside.

SAMPLE PROCESSING Transferring homogenized sample into Egg Chamber



8 Power ON RDU; Ready screen appears.



9 Place egg chamber in RDU egg carriage.



10 With egg chamber in place, pour liquid sample into egg chamber. PRESS RUN TEST; do not remove egg chamber until process completes.



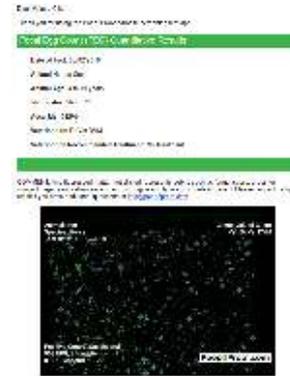
BEFORE RUNNING TESTS FOR DAY VISUALLY INSPECT FLUID LEVELS IN REAGENT DISPENSING UNIT.

SAMPLE IMAGING



1 Once sample has been processed remove Egg Chamber from RDU by carefully lifting egg chamber up. Blot excess liquid on bottom of egg chamber with paper towel.

2 With imaging unit ON. Press button to open egg drawer. Place egg chamber in drawer and press button to close egg drawer.



3 From App, Enter client info if needed and then tap analysis. Results will appear momentarily. Review results and select treatment option if indicated. Tap email results to email copy to client email and vet clinic email.



Do NOT re-image an egg chamber. Parasight System technology relies on a bleaching mechanism; the imaging unit LED lights bleach the egg chamber contents each time. If you need to process the sample again, agitate your existing SPT liquid sample, pour into new unused egg chamber and process sample.

WASTE DISPOSAL, CLEANING AND MAINTENANCE

GENERAL PRECAUTIONS AND WASTE DISPOSAL

Nonhuman diagnostic specimens should be considered potentially infectious. General safety practices such as use of gloves when handling specimens, cleaning the equipment and work surface, and washing hands immediately after removing gloves are important. Proper disposal of specimens, water used in the analysis and to rinse out the Sample Collection Tool, and single-use consumables (Egg Chamber and Reagent Strip) is paramount in preventing disease transmission and avoiding contamination of the work area and immediate vicinity. Dispose of all materials in accordance with applicable regulations.

- Wear protective gloves (latex, vinyl or nitrile) when handling specimens.
- After testing, place specimens and liquid waste into containers that can be properly sealed for disposal.
- Reagent solutions contains hazardous chemicals, which may result in any of the following:
- Do not ingest fluids from reagent strip
- Causes serious eye irritation and/or damage
- Toxic if swallowed



DAILY CARE AND CLEANING

At the end of the day, the unit should be powered down, cleaned as needed as noted below.

- All parts of the Sample Prep Tool may be submerged and cleaned with soap and water.
- The Reagent Dispenser should be wiped down with a damp cloth or sponge as needed only. It should NOT be sprayed or submerged.
- Empty waste container as needed; clean with soap and water as needed.
- The Imaging Unit may be wiped down with a damp cloth or sponge; it should NOT be sprayed or submerged.
- Shipped consumables reagent liquid bottles are not refillable and should be disposed of properly when empty.

KEEP ALL UNITS CHARGED

- For proper function, charge overnight before use.



TROUBLESHOOTING

SAMPLE PREP TOOL

Sample Collector Top will not release fecal sample.

Visually inspect the Sample Collector Top to determine if the spring-loaded plunger is blocked or stuck. Dried fecal matter or other debris may disrupt the spring. Manually moving the plunger up and down should release the spring and allow you to continue. Thoroughly rinse sample prep collector top between tests and wash with soap and water at the end of the day.



Sample Prep Tool with Sample Collector Top

Sample Filter Top will not fill valve properly.

Gently squeeze the Sample Prep Tool to dispense premeasured solution into the filter top to prevent leakage or spillage. If the solution will not fill the top as expected or is difficult to squeeze, dried fecal matter may be occluding the filter. Remove the top and visually inspect for blockage. The Filter Top assembly may be cleaned by separating the top and bottom. Simply unscrew the Filter Top to access interior filter for cleaning. Wash the filter top with soap and water if needed to remove blockage. If a blockage delays the test, stir or swirl the fecal solution in the Sample Bottle before reattaching the Sample Filter Top and resuming.



Sample Prep Tool with Sample Filter Top

Sample Prep Tool appears to be dripping or leaking.

Ensure tops are properly attached and not overtightened.

TIP: Thoroughly rinse Sample Prep Tool between tests; wash with soap and water at the end of the day.

CONSUMABLES

Reagent Liquids are not being dispensed.

Verify liquids are available by visually inspecting bottles. Add reagent liquids if needed. RDU > Tap Settings Icon > Line Adjust. Run Line Adjust for each reagent.

Egg Chamber screen/filter appears torn or broken.

Discard the Egg Chamber.



Egg Chamber



TIP: Handle the Egg Chamber by its frame. Do not pick up or handle the screen portion of the Egg Chamber.

REAGENT DISPENSER

Power light does not come .

The unit may not be receiving power. Verify unit is plugged in and turned on.

Egg Chamber is removed prior to completion of operation.

Test is invalid. Begin again.

Reagent Dispenser appears clogged or suction not working.

Remove egg chamber, replace with new clean unused egg chamber. Run test. This will help troubleshoot whether the previous sample has clogged the unit, or if the suction feature itself is not working. If suction works after running a test on a new unused egg chamber, the issue is most likely due to supplement the animal is consuming. If system remains clogged, please contact support.



Please refer to these sample prep instructions for samples that have previously clogged the system. Pour Fecasol to the line in the sample prep tool, add sample, mix as normal, squeeze out a new sample from your agitated slurry, pour into tube and do a 1 MINUTE CENTRIFUGE. After spin, pour liquid sample onto new egg chamber and continue testing as usual.

IMAGING UNIT

Imaging Unit drawer will not open.

Verify unit has power and is powered on.

Parasight System Technology

The Parasight System enables immediate, accurate, on-site fecal egg counts to allow veterinarians to diagnose and determine treatment plans. The portable, light weight system is ideal for stall side or field use. The Parasight System enables fecal egg counts on site in less than five minutes in "3 Easy Steps." Simply collect the sample, process the sample and image the sample to obtain results -- on-site in less than 5 minutes!

- ✓ No more microscopes
- ✓ No more centrifuges
- ✓ No more mailing samples to a lab
- ✓ No more delay in treatment
- ✓ No more unnecessary or prophylactic treatment

Parasight System Results

Variability.

All fecal egg-counting diagnostic tests possess a certain degree of variability inherent in each test's ability to detect the parasite eggs, in the sampling of the fecal slurry used in the test, and in the lack of homogeneity in the shedding and distribution of the eggs within the fecal sample. Even with trained technicians and parasitologists preparing and analyzing samples using standard methods including McMaster, Wisconsin and Parasight can expect variability.

Reliability.

Parasight is considered a more reliable method of fecal parasite egg detection because it reduces or eliminates user introduced variability by introducing a standardized protocol which generates consistent sample volumes and preparation using the sample prep tool and a non-user dependent, University validated algorithm, that consistently detects Strongyles and Ascarids and reduces the identification of non-parasitic material in the sample.

My results are discrepant with my expectations:

- Ensure you have used a fresh sample of sufficient quantity.
- Ensure fecal sample solution is shaken in the sample prep tool immediately prior to squeezing fecal solution into filter top. If not, eggs may have settled.
- Multiple samples are not meeting expectations, please contact customer support.