



USP 797 Test Codes

Rodac plates can be purchased from Aerobiology via the [AeroSTORE](#) or by contacting your Client Manager. It is recommended for bacterial testing to use TSA 15x60 mm plates and fungal testing either SDA 15x60mm or MEA 15x60mm. The total surface area of the plates is 25mm squared.

Sampling with rodac/contact plates:

1. All handling should be performed aseptically.
2. Carefully remove the lid and take the sample by rolling the convex agar surface in one direction across the surface of the site. Immediately replace the lid on the plate.
3. Seal the plates using parafilm or low adhesive tape. Label each plate with your corresponding sample number and location.
4. Following the collection of the sample use a qualified method for cleaning the site where the sample was taken to remove nutrients.
5. Ensure the Chain of custody has the information listed for all samples being submitted to the lab.
6. Label each plate with your corresponding sample number and location.
7. Following the collection of the sample use a qualified method for cleaning the site where the sample was taken to remove nutrients.
8. Ensure the Chain of custody has the information listed for all samples being submitted to the lab.



Sampling with air/culture plates:

1. Calibrate each sampling pump or piece of equipment by following manufacturer's recommendations.
2. Before each run, thoroughly wipe each sampler stage with rubbing alcohol. Allow to dry. Make sure air passages are not blocked.
3. Load and immediately unload one set of sampling media in each sampler to serve as field blanks.
4. Label agar side of plate with identifier. Remove cover from media, load sampling media into sampler, and attach sampler to pump with flexible tubing or if using a SAS sampler screw the top back onto the sampler.
NOTE: Take care to prevent contamination of media during loading and unloading. Do not touch agar surface.
5. Sample at known preset flow for an accurately known time, e.g., 5 min. Rotary vane pump should run at 28.3 lpm. (In heavily contaminated areas, sampling time may be adjusted)
6. Replace covers on sampling media. Tape plate or place each plate in separate bag, and pack securely for shipment (plates should be media side up).
7. If plates are going to be shipped back to the laboratory send them for overnight delivery in a cooler with an ice pack. If plates are not shipped that day keep the plates in the refrigerator until they are shipped the next day.

Test Code	Test Name	Test Description	TAT	Samples Accepted
1104	Surface, USP 797 Bacterial Counts with ID	Surface contact plates must taken in ISO 5, 7 and 8 locations to evaluate the effectiveness of disinfection on work surfaces touched by compounding personnel.	2-3 Days	Monday - Friday, All Laboratories
1106	Surface, USP 797 Fungal Counts with ID	Surface contact plates must taken in ISO 5, 7 and 8 locations to evaluate the effectiveness of disinfection on work surfaces touched by compounding personnel.	5 Days	Monday - Friday, All Laboratories
1107	Air, USP 797 Bacterial Counts with ID	Viable air plates must be taken in ISO 5, 7 and 8 to evaluate the airborne concentrations of microorganisms in the air. A volumetric style impactor sampler must be used. Settling plates are not an acceptable sampling method.	2-3 Days	Monday - Friday, All Laboratories
1108	Air, USP 797 Bacterial Counts with ID	Viable air plates must be taken in ISO 5, 7 and 8 to evaluate the airborne concentrations of microorganisms in the air. A volumetric style impactor sampler must be used. Settling plates are not an acceptable sampling method.	5 Days	Monday - Friday, All Laboratories
1109	Culture, USP 797 Glove Fingertip Bacterial Counts Only	Test code 1109 covers testing on both Right and Left hand, 2 plates method.	3 Days	Monday - Friday, All Laboratories