

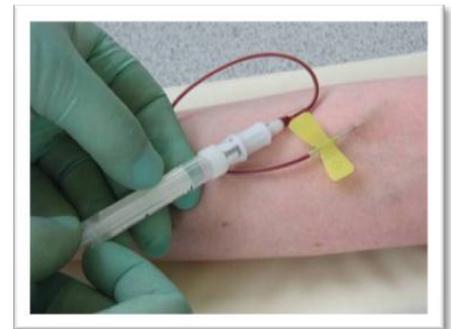
Instructions for using TruCulture® tubes

Before starting to work with TruCulture®, read the extended version of the TruCulture® Instructions for Use. Follow standard blood draw procedures and blood borne pathogen safety guidelines as recommended by the American Society of Clinical Pathology (ASCP).

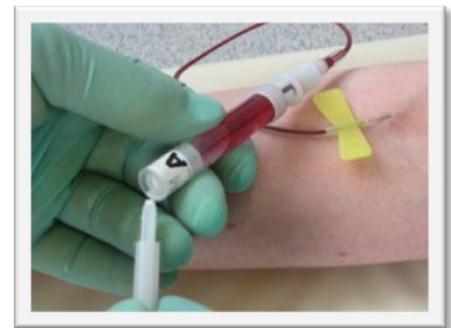
Do not store TruCulture® tubes near dry ice after arrival.

TruCulture® media shifting to yellow upon thawing indicates tube damage. Discard such tubes and report to the manufacturer.

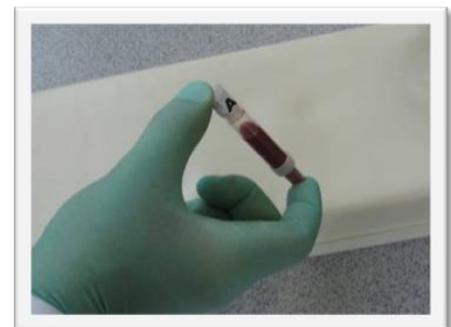
1. The following procedure can be viewed at <http://www.myriadrbm.com/products-services/culture-systems/truculture/truculture-video/> Thaw (at 37°C max.) just as many TruCulture® tubes as are required for this day of the trial.
2. Do not use tubes to draw blood that have not reached at least room temperature.
3. Label the TruCulture® tubes accordingly, e.g.: Patient ID, sample #, date and time of phlebotomy / start of culture.
4. **Before starting to draw blood**, press the plunger into the TruCulture® tube until it stops.
5. Use a „Multify“ (butterfly) needle system and connect its adaptor to the front end of an empty Monovette® syringe and lock it by turning clockwise.
6. Puncture the vein, ensure the cannula position is safe and the blood flows easily. Draw just enough blood to fill the tubing system of the butterfly set completely (see picture 1).
7. **Now open the tourniquet immediately!**
When other blood tubes are to be drawn with the same phlebotomy, make sure that the TruCulture® tubes are always the FIRST to be filled with blood.
8. **Starting the cultures:** Replace the empty Monovette® syringe with the first TruCulture® tube. Hold the tube front down / plunger up to draw the blood.
NEVER TRY TO INJECT the contents of TruCulture® tubes.
Fill it slowly with blood by pulling the plunger gradually until it snaps into its final position (with a gentle “click”), then **wait for at least 5 seconds** until the blood volume shows no further increase.
9. Break away the plunger close to the rear end of the TruCulture® tube (pic. 2). Disconnect the TruCulture® tube from the butterfly adaptor and **gently** mix the tube contents by inverting 3 times end over end; **avoid foaming** (pic. 3).
10. Remove any blood remaining in the tube-cap by gently tapping the TruCulture tube on the bench top. Place the tube with cap pointing up in a pre-heated block thermostat at 37°C (pic. 4).
11. **Do not fill more than 4 TruCulture® tubes using the same cannula.** For more tubes **use a new Multify set and puncture another vein!**
12. If necessary, fill all additional TruCulture® tubes by repeating steps 8-10.
13. Remove the needle from the vein and halt the bleeding appropriately.
14. Incubate all TruCultures® at 37°C in the block thermostat for a defined period of time (usually 24 or 48 h). Any deviations should be noted. As such, it is strongly recommended that the exact time of culture initiation (i.e. the time of the blood draw) be recorded on each of the tubes.



Picture 1



Picture 2



Picture 3



Picture 4

15. **Stopping the cultures:** Assemble the „seraplas filters“ (valve separators). Insert the sticks with their small „nose“ into the little slot (rear end, see step 1 in pic. 5) of the separator and lock them with a clockwise turn (step 2 in pic. 5). Next, **carefully** remove the TruCulture® tube from the incubator – **avoid shaking**. Remove the screw cap from the tube and **slowly** insert the valve separator until it is 3 to 5 mm (1/8'' to 1/4'') above the sediment level. It is important to keep the TruCulture® tube in an upright position during this whole procedure (pics. 5-7).



Picture 5

16. Disconnect and remove the sticks from the separators with a gentle counter-clockwise turn; the valve separator stays in the TruCulture® tube (pic. 8). Finally, close the TruCulture® tube hand-tight with the screw cap again.



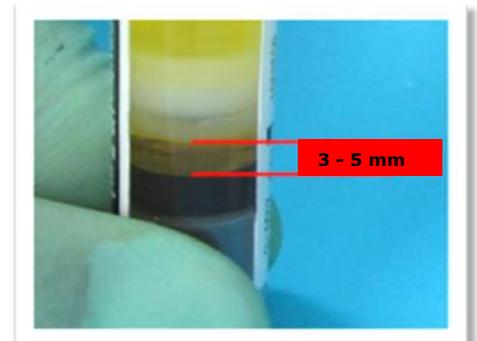
Picture 6

17. Freeze the TruCulture® tubes immediately in an upright position at -20 °C.

18. If being shipped for analysis, ship the tubes on dry ice.

TruCulture® tubes that after blood collection shall be given to a third party, other than Myriad RBM, for analysis or other reasons, have to be adequately labeled before they change owner. Their labels MUST contain the following information:

- i) **Contains human blood**
- ii) **Content is potentially infectious**



Picture 7

In case of any questions please contact

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Picture 8