

Drop sensor positioning

Drop sensor position on Abbott IV sets

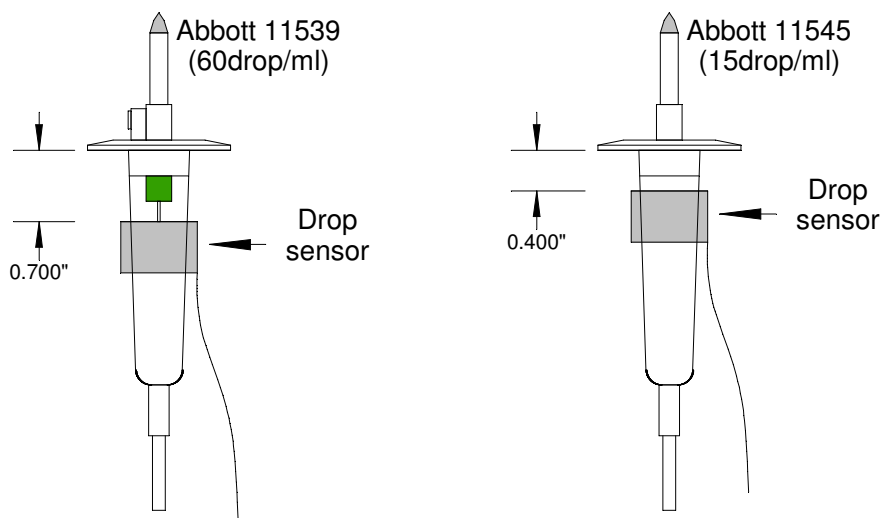
Even though the drop sensor will work with a variety of IV sets since it detects drops over a range of sizes the positioning matters since **spurious** reflected IR signals can come from the **needle** used as the dripper if the sensor is set too high on the bulb. If the sensor is set too far below the dripper multiple drops can go through the dripper if the downstream resistance to flow is low giving incorrect flow rates. Below are guidelines for correct positioning for the Abbott IV sets that we supply with the **cFlow**.

Abbott 11539 60drop/ml IV set

If supplied (for sensors shipped prior to Dec, 2004), insert the black adapter into the sensor so that the two cutout sections are aligned with the IR source (large hole) and detector (small hole opposite). If you are going to use the same type of IV set you can use silicon glue to hold the adapter in position in the drop sensor. Press the sensor using the adapter up onto the dripset bulb so that it is 0.7" (18mm) below the bottom of the wide white plastic section at the top of the bulb (see Figure below) Make sure the sensor has not rotated in relation to the adaptor. The adapter will be tight on the bulb.

Abbott 11545 15drop/ml IV set

If supplied (for sensors shipped prior to Dec, 2004), insert the white adapter into the sensor so that the two cutout sections are aligned with the IR source (large hole) and detector (small hole opposite). If you are going to use the same type of IV set you can use silicon glue to hold the adapter in position in the drop sensor. Press the sensor using the adapter up onto the dripset bulb so that it is 0.4" (10mm) below the bottom of the wide white plastic section at the top of the bulb (see Figure) Make sure the sensor has not rotated in relation to the adaptor. The adapter will be tight on the bulb. You should also change the Fn settings using Menu 2 for the channels using these dripsets to 240 from their default value of 60.



Abbott 11539 60drop/ml and Abbott 11545 15drop/ml IV set available from Life-Assist Inc, 11277 Sunrise Park Drive, Rancho Cordova, CA 95742; 800-824-6016 (US); 800-290-9794 (Fax); www.life-assist.com.