

Transport Lock Information

NEPHELOstar Plus

When the instrument is shipped or moved to a different location, the two transport locks (microplate carrier and laser head) should be in the locked position. Lock and unlock the transport locks only when the instrument is not powered on.

1) Unlocking/Locking the Microplate Carrier Transport Lock

The microplate carrier transport lock is located in the back left corner of the reagent box (figure 1). Once the instrument is in its permanent location, the transport pin should be unlocked to free the plate carrier. To do this turn the transport pin counter-clockwise until it is moved up by the spring.

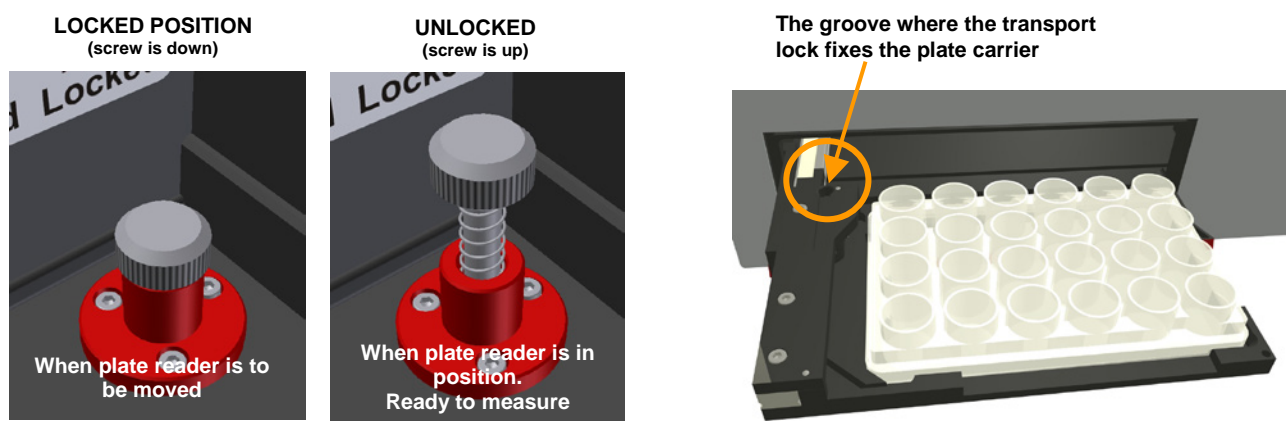


Figure 1: Left: transport lock in locked position (screw is down).
 Middle: transport lock in unlocked position (screw is up).
 Right: the groove where the transport pin can lock the plate carrier

If the instrument needs to be moved to a new location, the plate carrier should be in the locked position otherwise the transport system could be damaged.

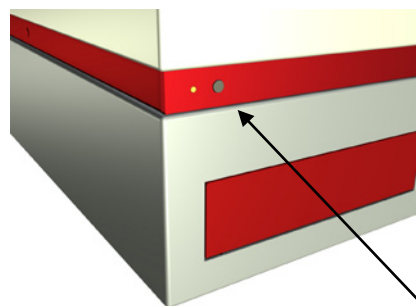


Figure 2: Plate In / Plate Out button.

Press and hold the plate in / plate out button for 3 seconds, hereafter the plate carrier will automatically move to its lock position. Once the reader is switched off, the transport pin can be moved down and turned clockwise. The transport lock must be screwed until it tightens. Please tighten it firmly with your fingers. No tools are required.

The transport system is locked when the transport lock is in its down position and firmly tightened.

2) Unlocking/Locking the Laser Transport Lock

The NEPHELOstar Plus laser must be secured and locked for transportation or moving the instrument. The laser is mounted on a freely moving z-axis and a spring-loaded screw secures the z-axis in the locked position. Rotate the spring-loaded screw counter clockwise by hand to unlock the laser. Once the screw is loose move the z-axis with the laser slightly down to check if it is free. To secure the laser in the transport lock position, move the z-axis up until it touches the top. Hold the z-axis firmly while rotating the spring-loaded screw clockwise to secure the laser in the lock position.



Rotate the spring loaded screw counter clockwise to unlock, and clockwise to lock the laser in the transport position

Fig. 3: Top view of the laser transport lock screw in the reagent box