

Title:	Shaker Integration			ID:
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Q:

Shaking Issue on STR240

We are using shaking on the unit. This works fine, however, everytime we do a Load or Unload plate, the carouse is rotating up 2 times before the shovel either loads or unloads a plate. This is a problem as instead of taking ~30 secs to load/unload plates it takes ~60secs which is affecting the assay times.

My questions are

1. Is this expected behaviour? How exactly does the STR240 shake plates. Why does it appear to have to home each time we need plate access?
2. Do you have any examples of the best practise to use the STX_lib.dll (which we are using) for shaking situations?

A:

1 Yes this is normal. The carrousel homes itself once the shaker has been activated.

2 The DLL supports the basic shaker commands. There is no "intelligence" built in. If speed is an issue I recommend

2.1 To not activate the shaker between access at times of frequent access (not send the end-access (1903) command)

2.2 To de-activate the shaker during times of frequent accesses

2.3 To position the carrousel well prior the actual access