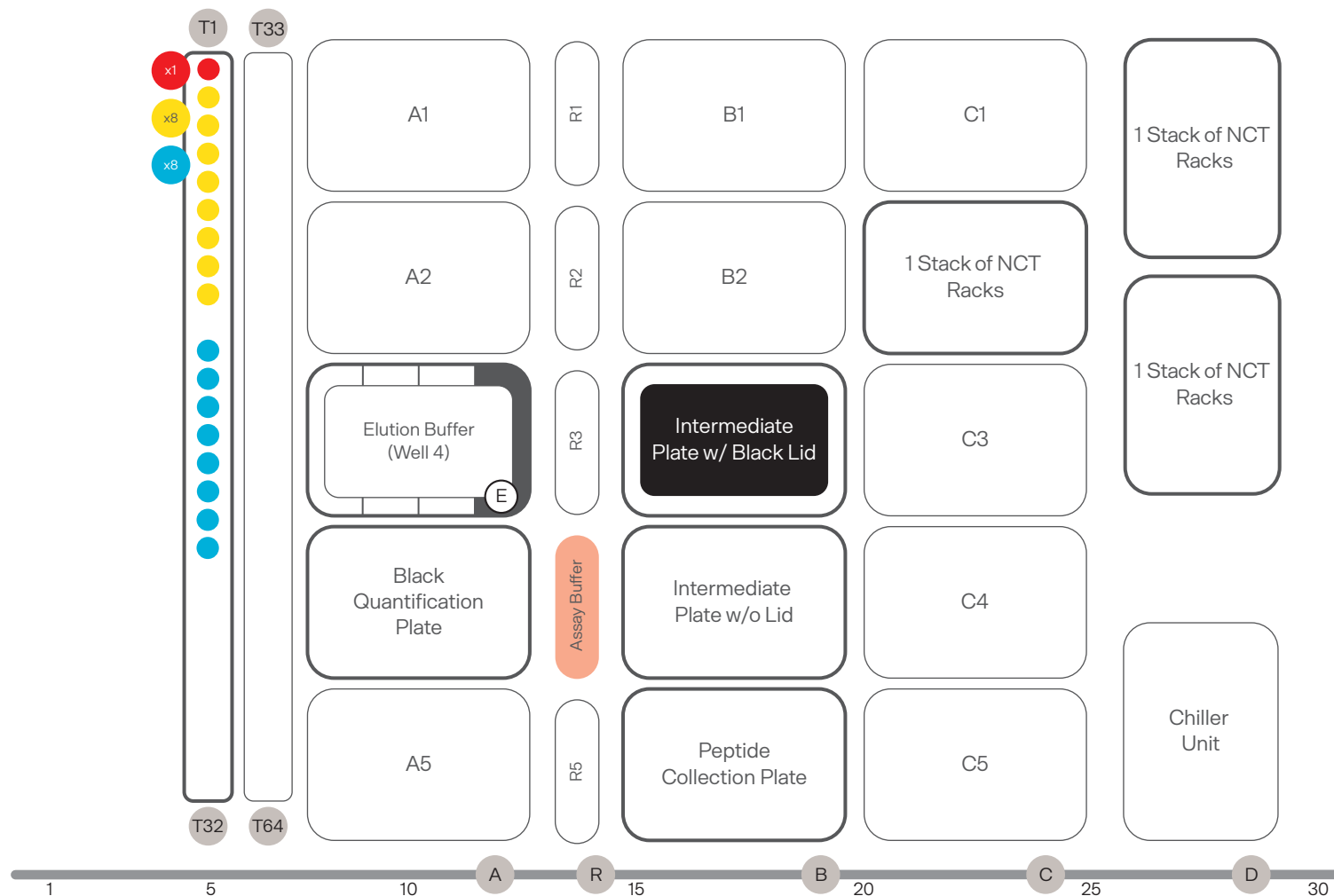


Peptide Quantification Quick Reference Work Deck Layout



- Peptide Digest Assay Standard - 100 μ L
- Empty Tubes
- Peptide Assay Reagent - 310 μ L
- E Elution - 10 mL
- Assay Buffer - 12 mL
- Carrier

Peptide Quantification

1. If necessary, turn on the SP100, MPE, chiller unit, and computer

CHECK

- Deck is cleared before loading labware
- MPE pressure is set between 105-110 psi
- Gas supply is ≥ 110 psi

2. Launch Instrument Control Software (ICS)

3. Prepare consumables from the Proteograph™ PQR Labware Kit, and remove the Pierce™ Quantitative Fluorometric Peptide Assay from refrigeration 30 minutes before use

4. On the ICS main menu, select  **Peptide Quantification** and follow the prompts

*See the Proteograph™ User Guide for full protocol

5. Add 100 μ L Peptide Digest Assay Standard to the Peptide Digest Standard tube

6. Add 310 μ L Fluorometric Peptide Assay Reagent to each Peptide Assay Reagent tube

7. Pipette 10 mL Elution Solution into well 4 of the Cleanup Reagents (4-Well) Reservoir

8. Add 12 mL Fluorometric Peptide Assay Buffer to the Peptide Assay Buffer Reservoir

9. Load remaining labware on the deck, close the front protective cover, and select **Continue** on the ICS

Daily Maintenance

1. From the ICS menu, select  **Maintenance**, then  **Daily Maintenance**

CHECK

- Instrument is turned on
- MPE waste container fill level

2. If needed, empty MPE waste container per lab policy

3. At the **deck and tip waste** stage, select **Yes** to execute

CHECK

- Work deck cleanliness
- Teaching needles are on the work deck

4. If necessary, perform Weekly Maintenance

*Daily Maintenance ensures proper 8-channel pipette function



Weekly Maintenance

1. Ensure the instrument is turned off

2. Clean the tip eject sleeves, stop disk, O-rings, and CO-RE head pipette channels with a lint-free wipe dampened with deionized water

3. Clean the carriers, tip eject plate, and barcode sensor with a lint-free wipe dampened with 70% isopropyl or ethanol (remove carriers and tip eject plate for cleaning)

4. Clean both sides of front protective cover with a lint-free wipe dampened with deionized water

5. Turn on the instrument, then from the ICS menu select  **Maintenance**, then  **Weekly Maintenance**

6. Follow the ICS prompts