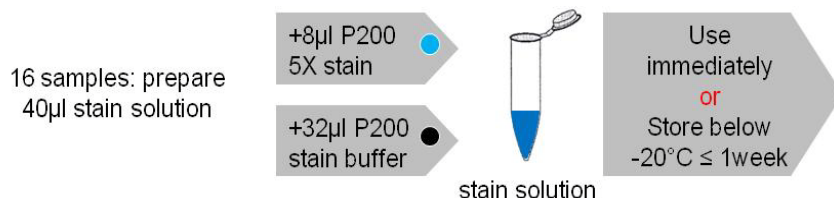


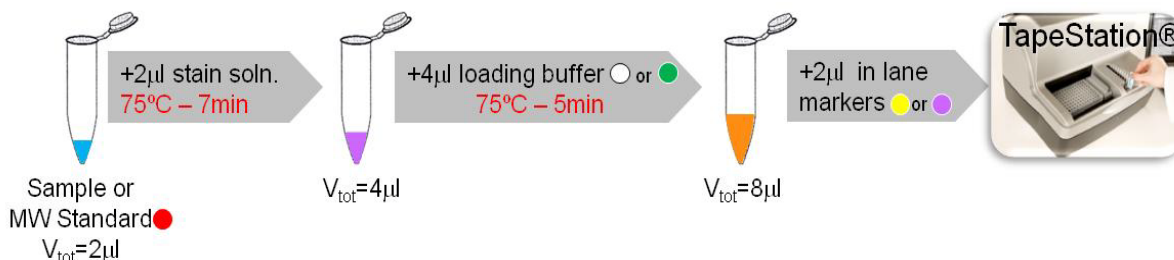
## 1 – Sample Preparation

Do not use this quick guide unless you have read and fully understood the User Manual

P200 Protein Sample Kit components are indicated by coloured circles corresponding to the coloured lids.



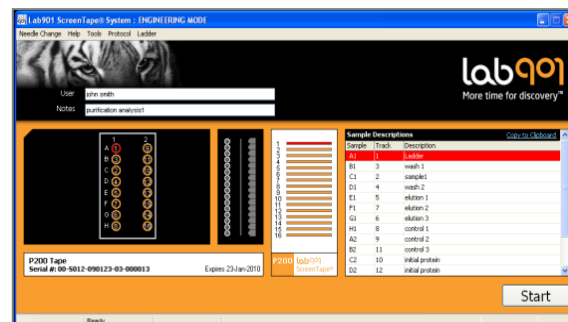
- The stain solution can be made as required daily, or at the start of the week and stored below -20°C.



- If required, adjust protein sample to a concentration between 0.1 and 1 mg/ml using Lab901 diluent. (white lid)
- At all times the ladder and samples must be at the bottom of the tube and contain no bubbles. Please vortex and spin down samples between each of the sample preparation steps.

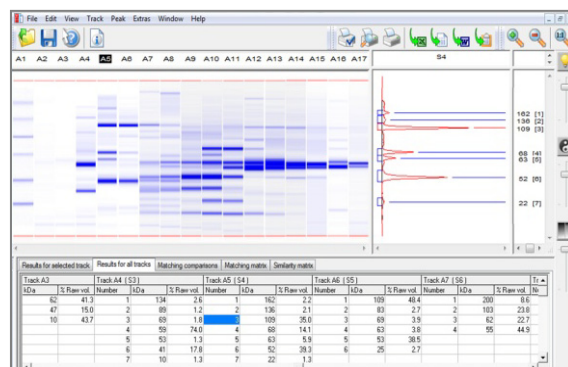
## 2 – Sample Loading

- Double click the Lab901 icon.
- Load the samples, tips and ScreenTape into the TapeStation.
- Ensure the Molecular Weight Standard is in position A1.**
- Using the wrong tips and tubes will damage the instrument.**
- Select the required samples on the controller software.
- Press Start and specify a filename to save your results.
- Opening the instrument after this time will terminate the process.**
- Enter track descriptions manually or by barcode scanner.



## 3 – Analysis

- The analysis software will automatically launch and results are saved as an .sgd file.
- The In lane markers will be shown in red, the samples are in blue.
- The intensity profile of the selected sample is shown in the right hand side panel.



## Only use the correct consumables with the TapeStation

<b>Incorrect consumables will damage the TapeStation</b>	<ul style="list-style-type: none"> <li>• Tubes: ScreenTape 0.2ml sample tubes (strips). (Lab901 re-order code ST221)</li> <li>• Tips : ScreenTape Filtered Loading Tips (Lab901 re-order code ST301 for 3,840 tips or ST304 for 384 tips)</li> </ul>
--	--

## Handling P200 Reagents

<b>Steps before use on the TapeStation</b>	<ul style="list-style-type: none"> <li>• Ensure vials are thawed and well mixed prior to use.</li> <li>• Spin each vial at 500rpm to remove any material from the lids.</li> </ul>
<b>Steps during sample preparation</b>	<ul style="list-style-type: none"> <li>• Keep reagents on ice during sample preparation.</li> <li>• Keep all samples and P200 reagents on ice between steps.</li> </ul>
<b>Storage after use on the TapeStation</b>	<ul style="list-style-type: none"> <li>• Store all P200 reagent vials at -20°C</li> <li>• DO NOT store P200 Sample Kit reagents at room temperature.</li> </ul>

## Handling ScreenTape P200

<b>Before use on the TapeStation</b>	<ul style="list-style-type: none"> <li>• Flick ScreenTape P200 before use - to ensure that any small bubbles are at the top of the buffer chamber.</li> <li>• Keep ScreenTape clean: dust and fingerprints can affect imaging.</li> </ul>
<b>After use on the TapeStation</b>	<ul style="list-style-type: none"> <li>• ScreenTape P200 should be stored at 4°C.</li> <li>• If you run less than 16 lanes, store used tape upright at 4°C.</li> <li>• DO NOT freeze ScreenTape P200 - any ScreenTape that is accidentally frozen should be discarded.</li> </ul>

## Guidelines for sample preparation: ① Pipette ② Mix ③ Heat ④ Spin

<b>① Pipette carefully</b>	<ul style="list-style-type: none"> <li>• Always pipette reagents against the side of the sample tube.</li> <li>• If using a repeat pipettor ensure that the first 2 dispense volumes are discarded.</li> <li>• If using a standard pipette ensure that no residual material is left on the outside of the tip.</li> </ul>
<b>② Mix properly after each pipetting step</b>	<ul style="list-style-type: none"> <li>• Mix = Vortex the PCR tubes on half-speed for 2-3 seconds by touching the vortex mixer with the strip/tube.</li> <li>• Spin = Ensure the sample is at the bottom of the tube by pulsing in a mini-centrifuge.</li> </ul>
<b>③ Heat reactions optimally</b>	<ul style="list-style-type: none"> <li>• Many heat blocks and PCR machines display a temperature that can be incorrect by up to 10°C.</li> <li>• Please accurately calibrate the hot block or PCR machine used to heat samples.</li> </ul>
<b>④ Spin after heating</b>	<p>After each heating step, spin samples down by pulsing in a mini-centrifuge to remove any condensed material from tube lids.</p>