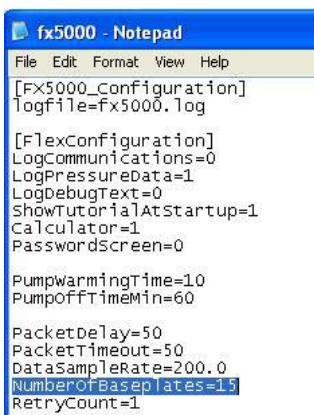# Instructions for Updating a FX-5000 Tension System *.ini* File with the Tissue Train Circular Foam Baseplate Configuration

<u>To add a Baseplate to the Flexcell Configuration File:</u>

1. Go to C:\Windows

2. Open fx5000.ini (This file will open in Windows Notepad)

3. Go to line 18 (including line breaks) "NumberOfBaseplates="
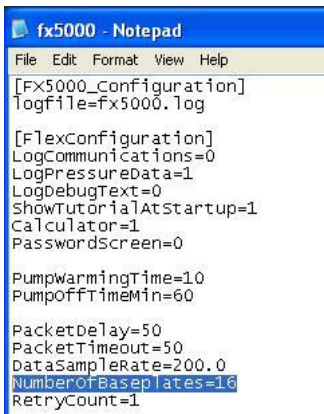
4. And increase this value by 1
    For example

    o   Original value: NumberOfBaseplates=15
    o   Updated value: NumberOfBaseplates=16

    NOTE: These values might differ from the customer configuration file depending on if Baseplate configurations have been deleted by users

5. Scroll down to the final Baseplate in the configuration file

    o   The final Baseplate will be the **original** "NumberOfBaseplates" value
    o   In this example the final Baseplate is [Baseplate15]

```
[Baseplate14]
BaseplateName=Tissue Train Plate (24mm Arctangle LS)
SystemType=Tension
Description=Tissue Train Plate (24 mm Uniaxial width), 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=21.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=7.42753919073959,-0.39612279893836,0.01188335616430
KPAs=0.06868546261112,0.00474923240791,-0.00003274980798
SystemType=Tension
MicroscopicPlatform=0

[Baseplate15]
BaseplateName=UniFlex Plate (24mm Arctangle LS)
SystemType=Tension
MicroscopicPlatform=0
Description=UniFlex Plate (24 mm Uniaxial width), 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=13.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=13.85407989695110,-1.08930330123511,0.04555470241123
KPAs=0.04451811604931,0.00167213452834,-0.00000698949662
SystemType=Tension
MicroscopicPlatform=0

[Strain Testing]
NumberOfRegimens=4
Regimen1=High Side Dynamic Strain Test
Regimen2=High Side Static Strain Test
Regimen3=Low Side Dynamic Strain Test
Regimen4=Low Side Static Strain Test
```

6. On the first line break after final Baseplate configuration add an additional line break

7. Copy and Paste the following information into the space: -

```
[BaseplateXX]
BaseplateName=Tissue Train Circular Foam (25mm LS)
Description=6-Well Tissue Train Circular Foam, 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=22.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=4.40291423332752,-0.13039596807198,0.00597880782353
KPAS=0.241436300143,0.001274344372,-0.000015534109
SystemType=Tension
MicroscopicPlatform=0
```

```
MaxPressure=90.0
MinElongation=0.0
MaxElongation=16.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=9.66281408794816,-0.62313482303767,0.02529805552633
KPAS=0.0685682833333,0.00272442500000,-0.00001813060000
SystemType=Tension
MicroscopicPlatform=0

[BaseplateXX]
BaseplateName=Tissue Train Circular Foam (25mm LS)
Description=6-well Tissue Train Circular Foam, 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=22.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=4.40291423332752,-0.13039596807198,0.00597880782353
KPAS=0.241436300143,0.001274344372,-0.000015534109
SystemType=Tension
MicroscopicPlatform=0

[FlexUsers]
NumberOfUsers=3
User1=Compression Testing
User2=Shutdown
User3=Strain Testing
```

8. Change the Baseplate number, [BaseplateXX], of the copied information to correspond with the **new** value entered in "NumberOfBaseplates"

   o   In this example [BaseplateXX] = [Baseplate16]

```
Description=HT 24-well Plate (Cylindrical), 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=16.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=9.66281408794816,-0.62313482303767,0.02529805552633
KPAS=0.0685682833333,0.00272442500000,-0.00001813060000
SystemType=Tension
MicroscopicPlatform=0

[Baseplate16]
BaseplateName=Tissue Train Circular Foam (25mm LS)
Description=6-well Tissue Train Circular Foam, 0-90 kPa
MinPressure=0.0
MaxPressure=90.0
MinElongation=0.0
MaxElongation=22.0
MinPressureError=0.0
MaxPressureError=0.0
Elongations=4.40291423332752,-0.13039596807198,0.00597880782353
KPAS=0.241436300143,0.001274344372,-0.000015534109
SystemType=Tension
MicroscopicPlatform=0

[FlexUsers]
NumberOfUsers=3
User1=Compression Testing
User2=Shutdown
User3=Strain Testing
```

9. Left click on **File**

10. Left Click on **Save**
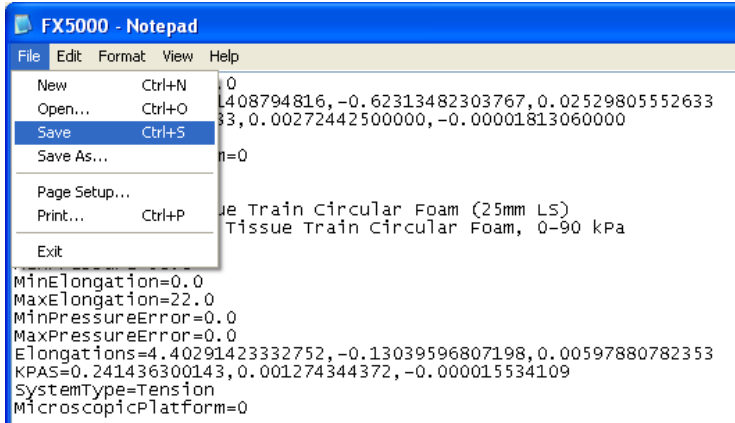
The FX-5000 configuration file is now updated. You will now see "Tissue Train Circular Foam (25mm LS)" when assigning a Baseplate in the FX-5000 software.