NI		!!	riment and paste it in	
PIRASE CUT NUT THE (	rnart <i>netore</i> the I	160 INNING AT THE EXHE	riment and naste it in	to volir ian iolirnali

Bioreactor station no. Date:

## Determining the optical density (OD)

Sample	Time	Duration	OD <sub>600nm</sub>	OD - blank	Dilution	OD calculated
	Time	[h]	meas.	OD - blank	Dilution	OD <sub>600nm</sub> calculated
0 = blank value						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

Bioreactor station no.	Date:
Biorodotor otation no.	<b>D</b> 4.0.

## **Determining the glucose concentration**

	sampling time	E1	E2	E3		c calculated		c x dilu. =
Sample	[h]	t=3min	t=10min	t=15min	ΔΕ	[g/L]	Dilution	
0 = blank value								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Bioreactor station no.	Date:
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## **Determining the acetate concentration**

Comple	sampling time	E1	E2	E3	4.5	c calculated		c x dil. =
Sample	[h]	t=3min	t=10min	t=15min	ΔΕ	[g/L]	n	
0 = blank value								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Bioreactor		
station no.	Date:	File name:

## Fermentation documentation

duration	stirrer speed	gas flow					
[h]	[rpm]	[Lpm]	$pO_2$	рН	xO <sub>2</sub>	xCO <sub>2</sub>	comments
	I.	I .	1	L	l	1	ı.