

## Casting of Agarose-Gels



Buffer stock (50x)  
Agarose, scale  
Aluminum foil  
beaker 10ml / 400ml  
graded cylinder 250ml  
adjustable pipette 1ml



When using 50x stock  
Solution to prepare  
300ml 1x electro-  
phoresis buffer, adjust  
pipette to 3ml and...



... transfer 6 ml by  
pipetting twice into a  
graded glass cylinder  
(250ml)



add dd H<sub>2</sub>O up to  
150ml, transfer in the  
beaker (400ml) and  
refill to 150ml. add to  
the beaker to a total  
of 300ml



Use Al-foil as aid in  
preparing agarose



In case of preparing a  
1% gel use 400mg. In  
other case as advised  
Never put surplus  
chemicals back in con-  
tainers to keep purity



Use the Erlenmeyer-  
flask (100 ml) to store  
40 ml of electrophore-  
sis buffer



Add Agarose powder  
into buffer.

Do not swirl!



Mark liquid level or use  
scale for registering  
gross weight



Cover the flask with a  
beaker upsidedown to  
reduce evaporation



Microwave at 400 W  
for 3 minutes. For full  
transparency repeating  
the procedure may be  
required.



Check volume or  
weight and care for  
loss by evaporation.  
After cooling to 50°  
the gel may be cast.