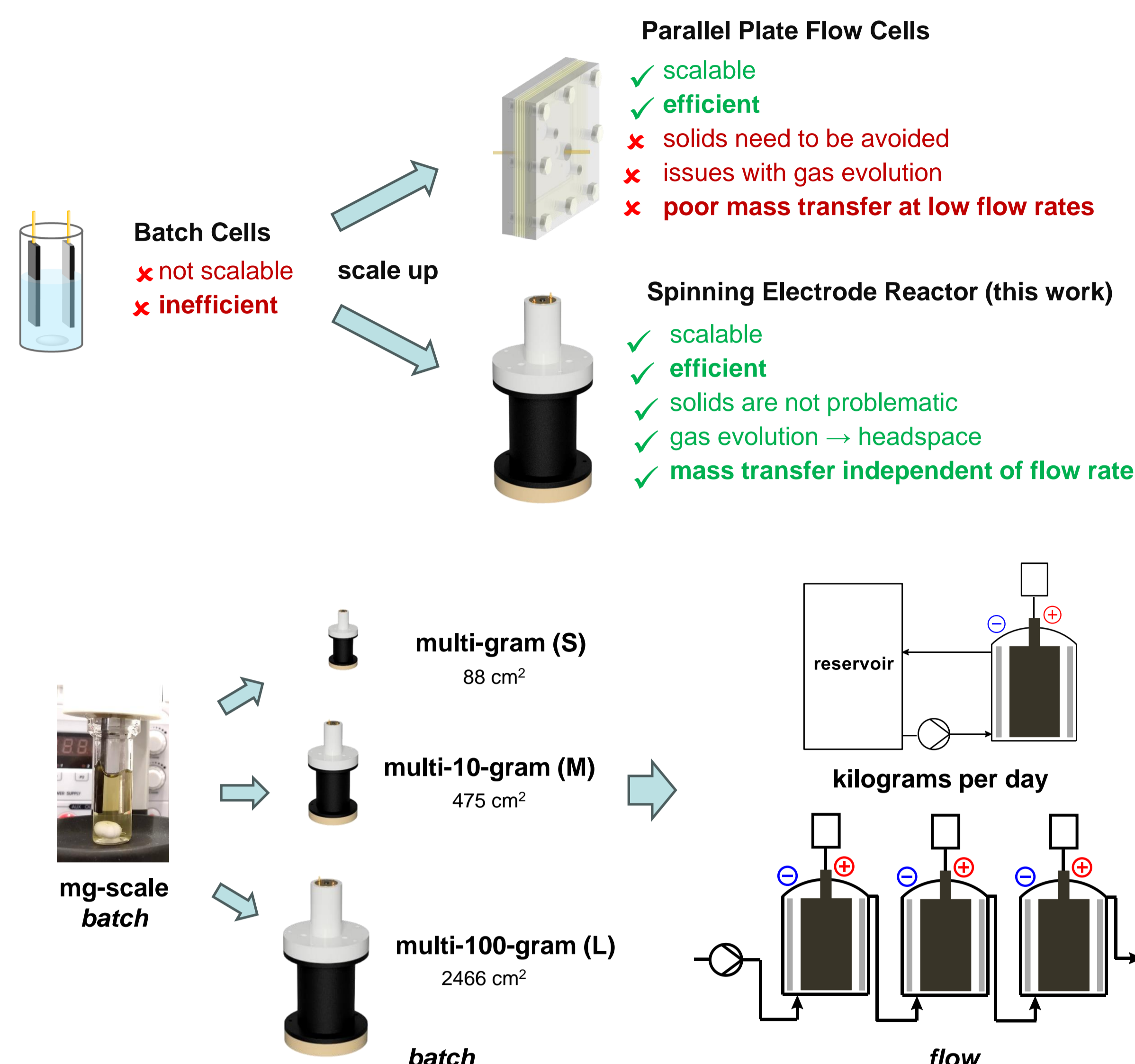
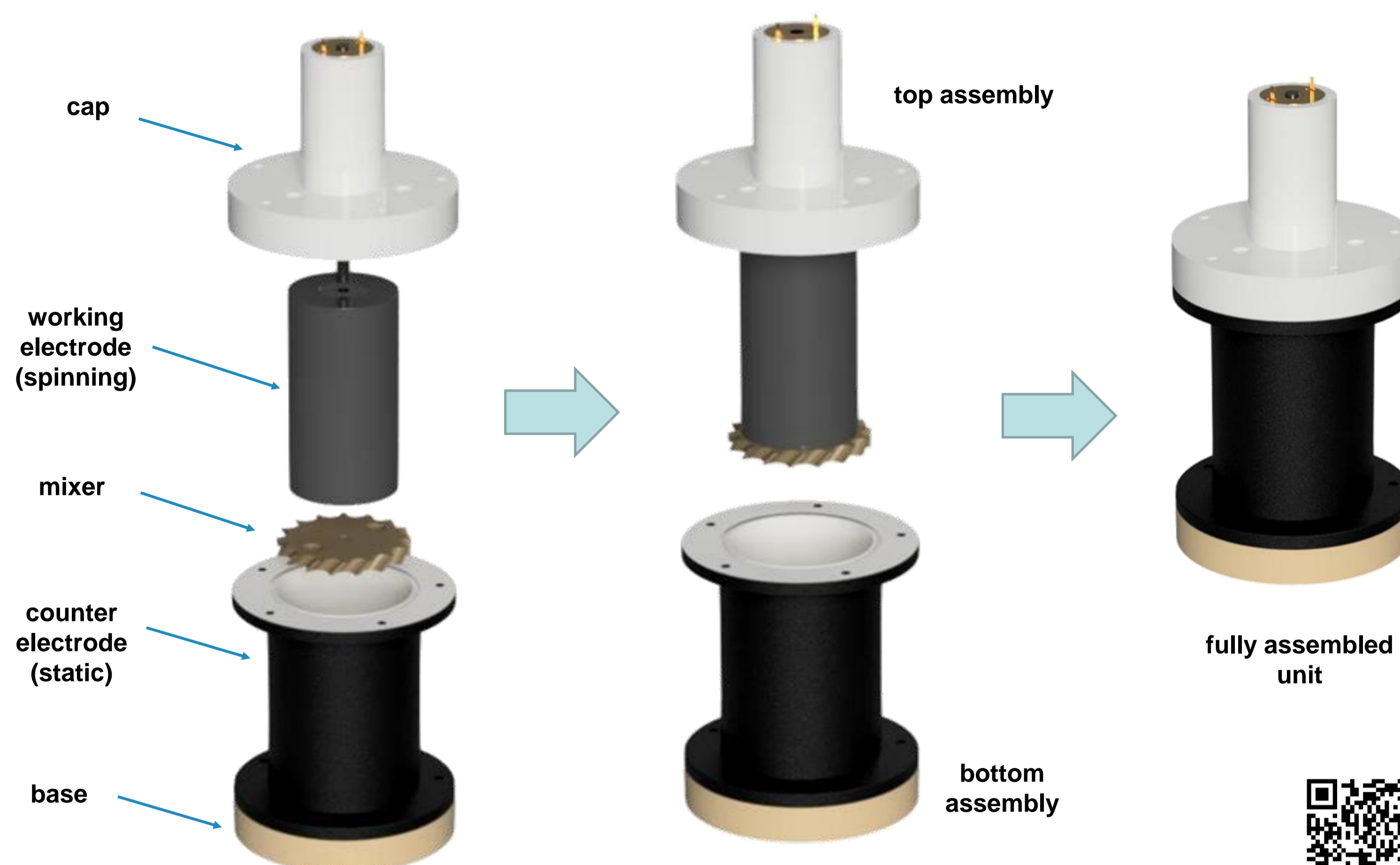




## 1 INTRODUCTION

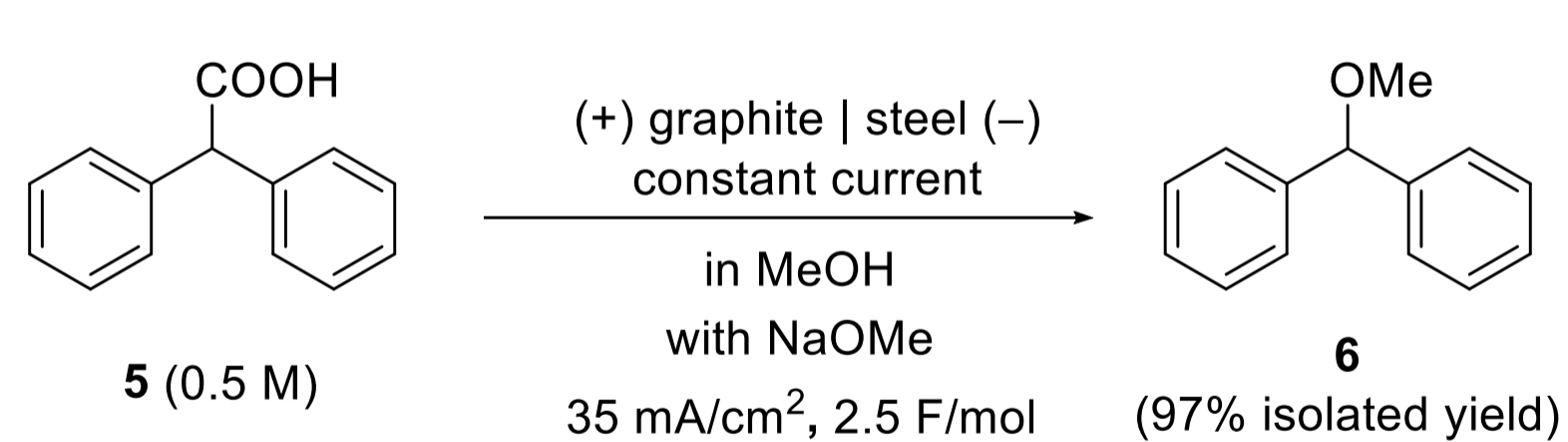
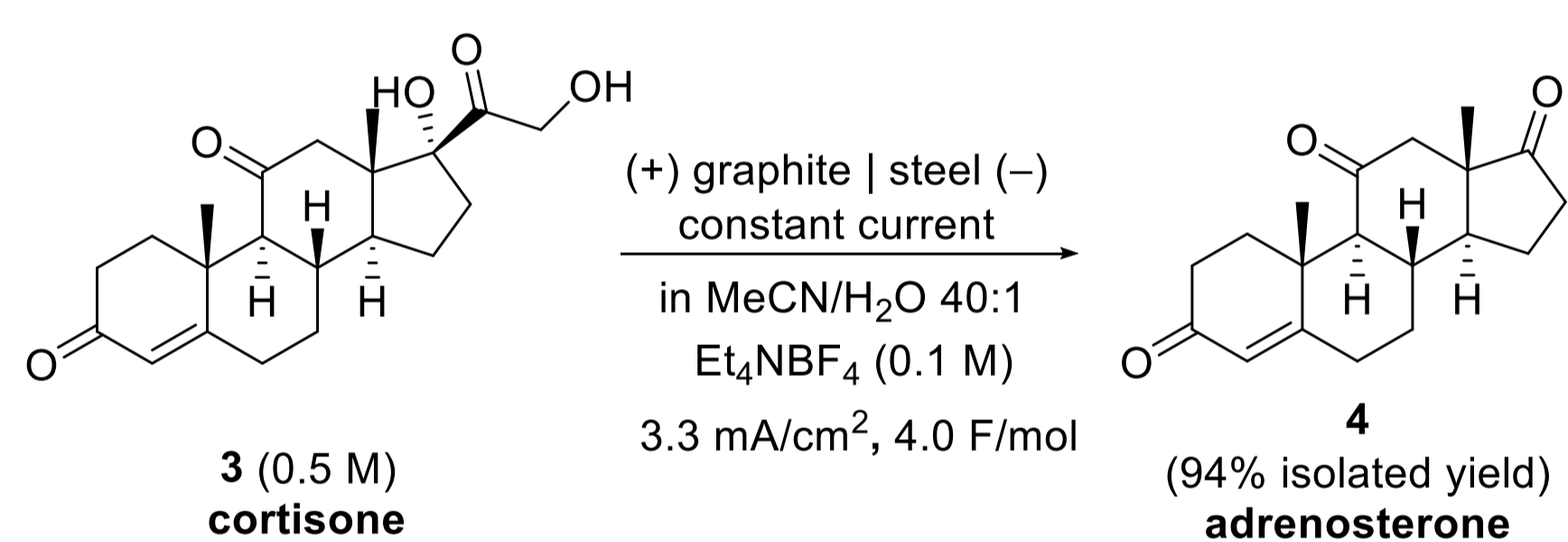
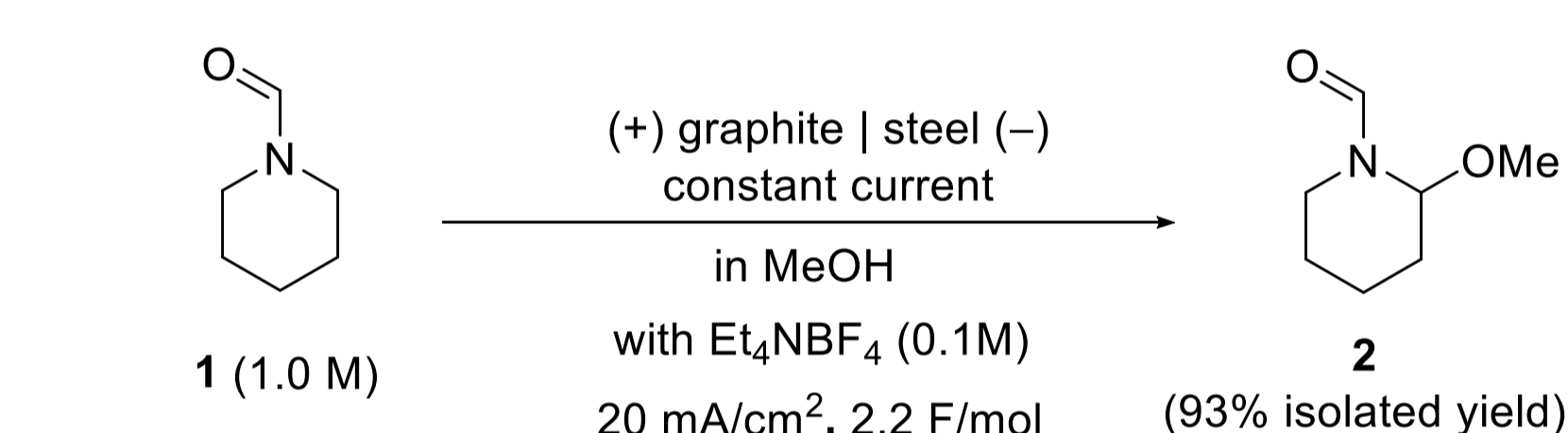


## Expanded View of the Reactor



10.1021/acs.oprd.3c00255

## Electro Oxidation Reactions



Compound	Reactor type	Mode	Productivity
2	M	Recirculation	2.1 kg/day
4	L	Batch	0.43 kg/day
6	M	Single pass	3.5 kg/day

Reactor Size	Reactor S	Reactor M	Reactor L
W.E. Area cm <sup>2</sup>	94	475	2466
Size (cm)	Ø = 4, L = 7	Ø = 9, L = 17	Ø = 20.5, L = 38
Volume (mL)	58	250	1250
A/V	1.62	1.9	1.97
Cooling Jacket	No	Yes	Yes

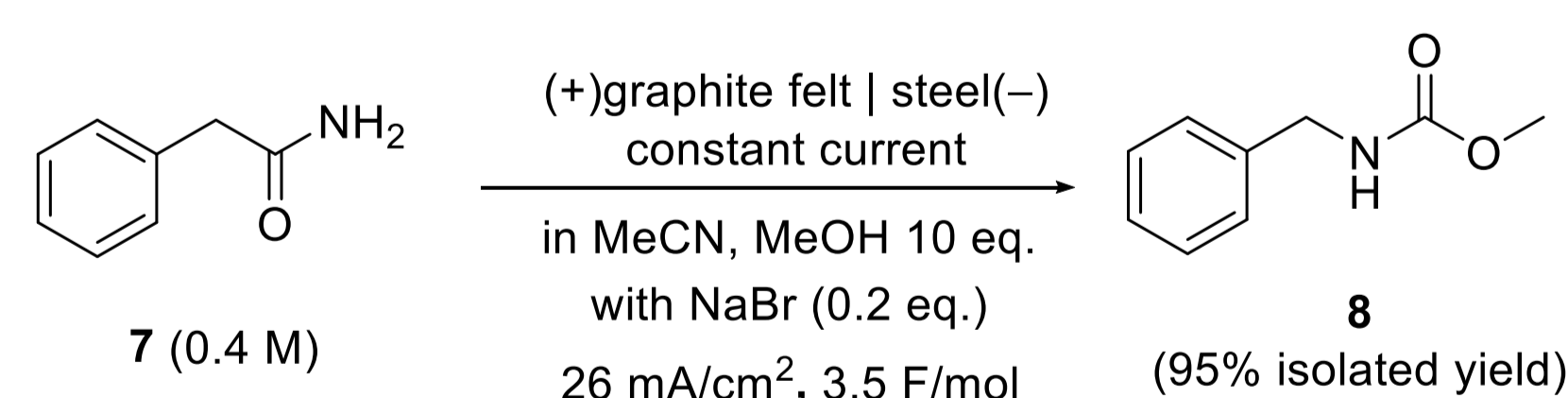
## Recirculation Mode



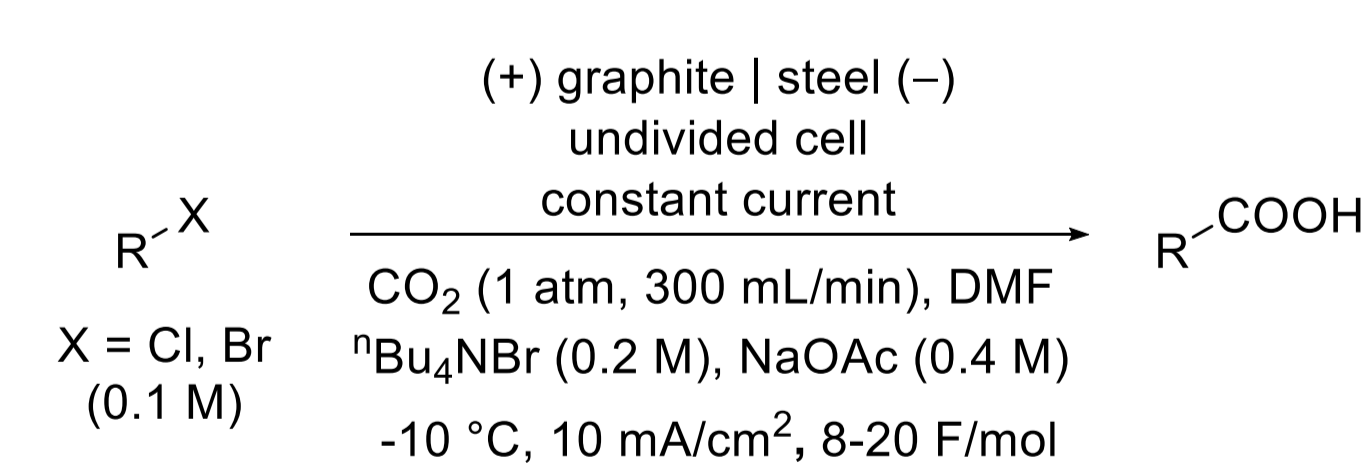
## Single Pass Mode



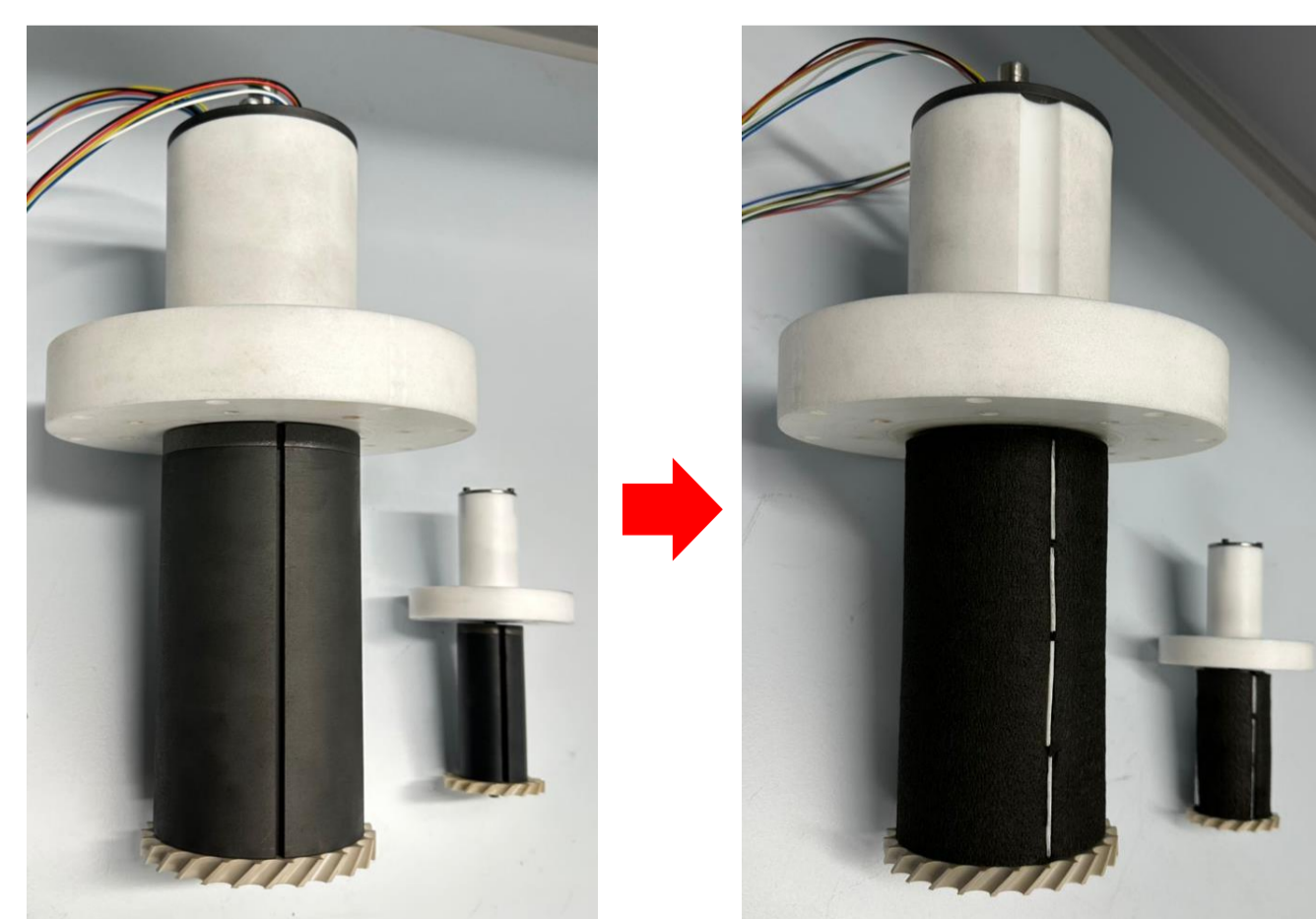
## Hofmann Rearrangement



## Carboxylation Reaction



Reactor type	Mode	Productivity
M	Recirculation	610 g/day



Reactor type	Mode	Productivity
M	Recirculation	20 g/day

