at Spiroo ShakeReactor

Streamline lab cultivations and let scientists focus on science

toke@atspiro.com

Increase Capacity

10 minutes setup

Space efficient

Single-use components





Sample production

Media screening

Strain selection



Organism & target

Workflow & setup

Limitations & opportunities



atSpiro ShakeReactor

Turn shake flasks into bioreactors

fully wireless, battery powered





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fully wireless, battery powered

Single-use sensor & liquid container fast and reliable workflow





Setup

- 10 minutes

- 500, 1000 mL flask *

- Baffled & non-baffled

atSpiro

* Corning® polycarbonate Erlenmeyer flasks

1. Insert sensor into flask

Monitoring

- pH
- DO
- Ambient temp
- Ambient humidity

atSpi

- 1. Insert sensor into flask
- 2. Fill liquid containers

Dispensing - 3 x 50 mL containers - Automatic priming

- Automatic primin
- Precise logging

- Viscous feeds - Acids, bases

atSp







Dispensation Profiles

Control

- Automatic





- 1. Insert sensor into flask
- 2. Fill liquid containers
- 3. Attach ShakeReactor

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- 4. Insert liquid containers

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- 4. Insert liquid containers
- 5. Insert battery

Battery

- Rechargeable
- 9 days standard
- 18 days double

SR_MK4_33

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- 6. Inoculate





- 1. Insert sensor into flask
- 2. Fill liquid containers
- 3. Attach ShakeReactor
- 4. Insert liquid containers
- 5. Insert battery
- 6. Inoculate
- 7. Start shaking

High RPM clamp

- Universal mount
- 300 RMP @25 mm
- 200 RPM @50 mm

Wireless setup

Connection

- Fully wireless
- Independent network
- Local network option



Data monitoring

Web application

- Online & real time
- Phone compatible
- CSV data export





Most customers start with



Single-use set



180 EUR /set



Lab setup ~ 38.000 EUR

Rent before you buy

1-month standard package:

- 2 atSpiro ShakeReactors
- 1 BioHub
- 6 single-use sets

Option to extend & scale up

Price: ~6,500 EUR

Full support throughout

- Protocol development (translate existing)
- Planning experiments
- On-site training & setup
- On-site 1st cultivation support
- Review experiments and data



