

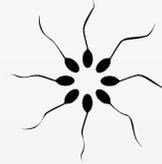
The pH Monitoring Advantage

Importance of Stable pH

Stable pH is critical in the IVF lab. Non-optimal pH is a stressor on embryo development [1-6], with development best supported in the pH range of 7.0-7.4 [7,8]. Published effects of pH on embryo development include:



- Denuded mature oocytes lack a robust mechanism to regulate internal pH [9]
- Reduced ability of cleavage stage embryos to control internal pH [10,11]
- Cryopreserved/warmed embryos have reduced internal pH regulation [12]



- Sperm become immotile in a low pH (<7) environment [13]
- Optimal zona binding occurs at pH of 7.5 [14]
- Sperm internal pH increases linearly with external pH [16]

Capture Critical Data

Media pH is Affected by:



CO2 gas percentage



Temperature

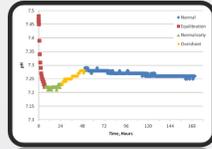
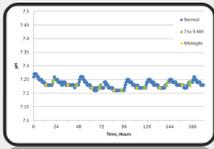


Media equilibration time



Media components.

Trending pH data confirms your culture system



- Real-time environmental effects on lab culture pH
- Evidence of dish prep /extended culture pH stability

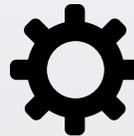
Protect Your Patients

Use continuous pH data to:



Track sudden pH drops from contaminants including:

- *Staphylococcus aureus*
- *Escherichia coli*
- *Candida albicans* (Fungi)



- Gain supporting data for equipment by type, age, and location
- Reduce risks from unnoticed equipment malfunction

TrakStation® pH Monitoring

See why the TrakStation is the trusted pH monitoring technology of 36 countries globally.

Product features include:

- 30-minute continual readings for 7 days
- Sterile single-use sensor
- pH Accuracy: ± 0.05 pH
- Single touchscreen display
- Connect up to eight (8) Trakpods®
- One qc2 alignment tool per laboratory



Referenced studies can be found at: <http://www.safesens.com/market-intelligence/faq-webinar/>

Ask Our Partners About Incubators Integrated With pH Monitoring