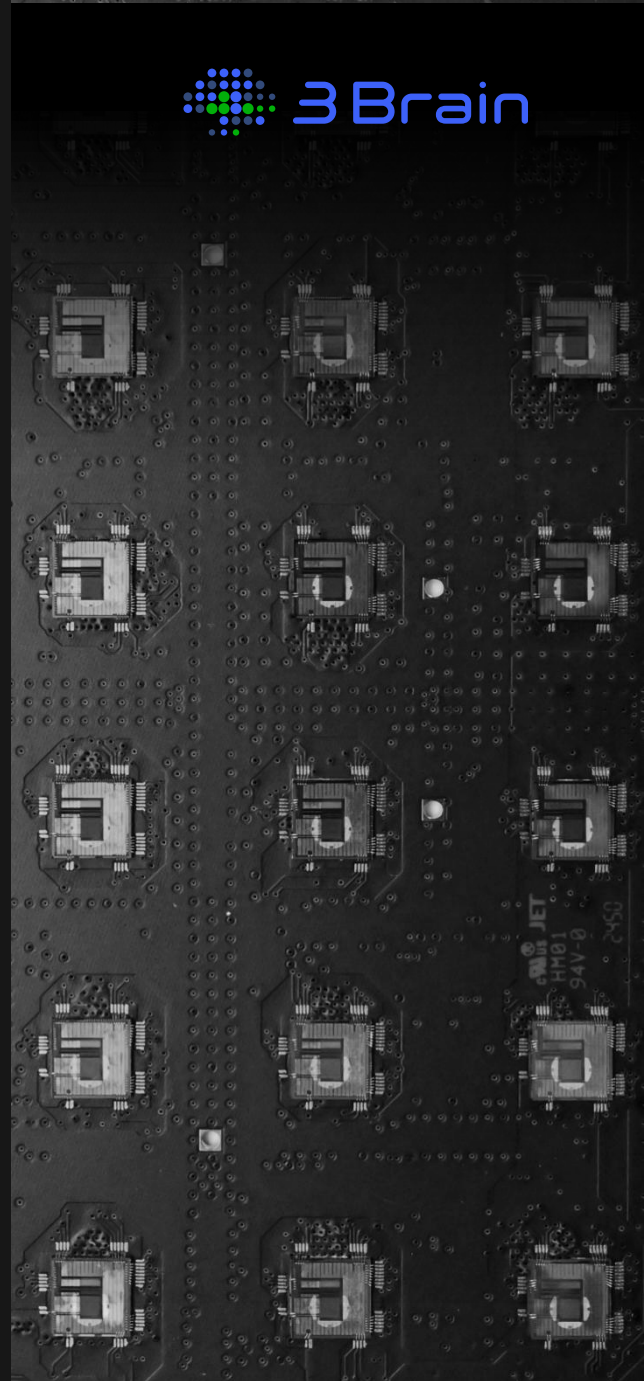


# Mini-Incubator for BioCAM DupleX, Set Up and Use

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## Introduction

Maintaining stable, incubator-like conditions is crucial for preserving the viability and physiological function of tissues, cultures and organoids during long term high-density microelectrode array (HD-MEA) recordings. Proper environmental control ensures consistent oxygenation, supporting neuronal activity. This technical Note outlines the recommended incubation setup utilizing the Mini-Incubator for the BioCAM DupleX.

# Mini-Incubator

## Mini-incubator set up

The Mini-Incubator should be connected to an appropriate gas supply, through a humidification unit containing sterile, deionized water.

Within the humidification unit, ensure the following:

- Submerge the tube from the gas supply in the water.
- Position the outlet tube to the Mini-Incubator above the water level.
- Adjust the gas line pressure to produce a gentle bubbling effect.

Once the correct gas flow is established, place the Mini-Incubator on the BioCAM DupleX.

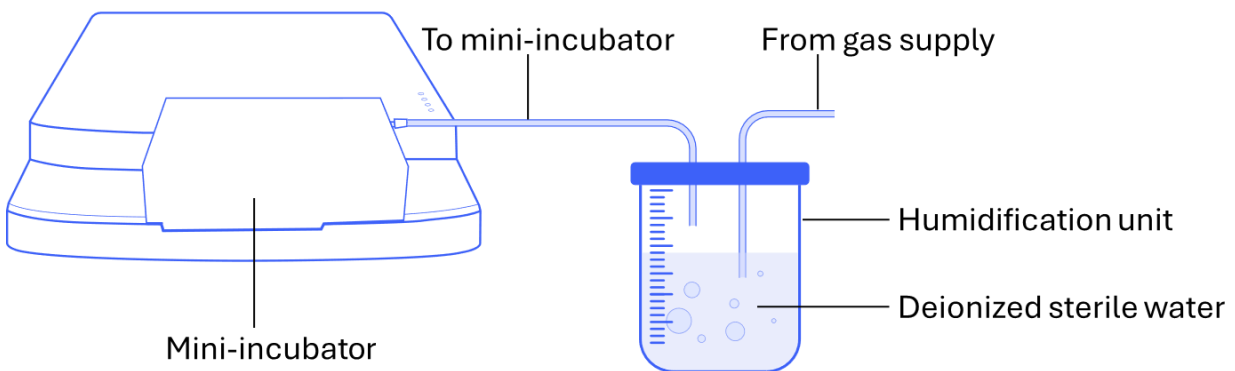


Figure 1. Mini-Incubator set up with the BioCAM DupleX.

## Recommended components

Table 1 lists the recommended incubator for use with the BioCAM DupleX.

Table 1. Recommended incubator for BioCAM DupleX.

Item Name	Supplier	Description
<b>Mini-incubator for BioCAM DupleX</b>	3Brain	Incubator unit for BioCAM DupleX for aiding in long term recordings.