



## VACUUM 104

PRODUCT  
NOTE

### Efficient Bubble Elimination in CellDirector®

Miniature sized and silent

Microfluidic assays deal with small cell media volumes compared to many regular cell culture setups. This brings the advantage of consuming very small amounts of reagents, and still your cells are constantly supplied with fresh cell media in CellDirector® due to the continuous fluid flow during the full length of the experiment.

The formation of small air bubbles in microfluidic channels is however a classical challenge in microfluidic technology, and has the potential to affect the results. But by connecting the miniature Vacuum 104 pump to your CellDirector®, the incoming cell media is exposed to a slight underpressure and highly efficient online air bubble elimination is achieved. Due to the design and material composition of all CellDirector® assays, your cells still exhibit the same gas composition as the surrounding atmosphere in your incubator.

To request a quote or to order products from Gradientech

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Phone: +46 18 418 67 00

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or find your local distributor at [www.gradientech.se](http://www.gradientech.se)

#### Features

- » Easily plugged into your CellDirector® assay with simple elbow connector
- » Distinct sound difference when correctly connected to CellDirector®
- » 1m tube between pump and assay facilitates placement

#### Characteristics

Dimensions	7x11x5 cm
Power consumption	2.5 W
Depending on model	230V/50Hz 120V/60Hz
<i>Product Name, plug</i>	<i>Catalogue #</i>
Vacuum 104, Europlug	REF 91-001
Vacuum 104 US, Type A	REF 92-001
Vacuum 104 AUS, Type I	REF 93-001
Vacuum 104 UK, Type G	REF 94-001

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