

# Vale HP 96

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## Product Information Sheet

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### About Vale High Performance 96

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- **Designed to remove edge-effect**
- **Provides unparalleled protection against evaporation**
- **Unique no-spill design**
- **Convenient, conventional 96-well SBS format**



The Vale High Performance 96 has been created to provide a simple, effective 96-well microplate that saves time and money and improves the reproducibility of experiments.

Engineered to help eliminate evaporative edge effect, the patented design features a no-spill format with inter-well spaces which provides unprecedented well-to-well protection against evaporation.

*Figure 1 Vale High Performance 96 has anti spill properties*

**A result of intelligent design by experts in the field, the high capacity inter-well cavities make it easy to fill the microplate, only needing to be filled once to achieve excellent performance.**

**The reduced well diameter offers optimal surface area / volume ratio (working volume of 20 - 150 $\mu$ L) as well as dramatic cost savings due to the reduced reagent volumes and cell numbers required per experiment.**

**The low-attachment surfaces allow for easy growth of cells in 3D.**

**Catalogue Number:** VHP96 xx

**Version – V2.0 – 23 Nov 2021**

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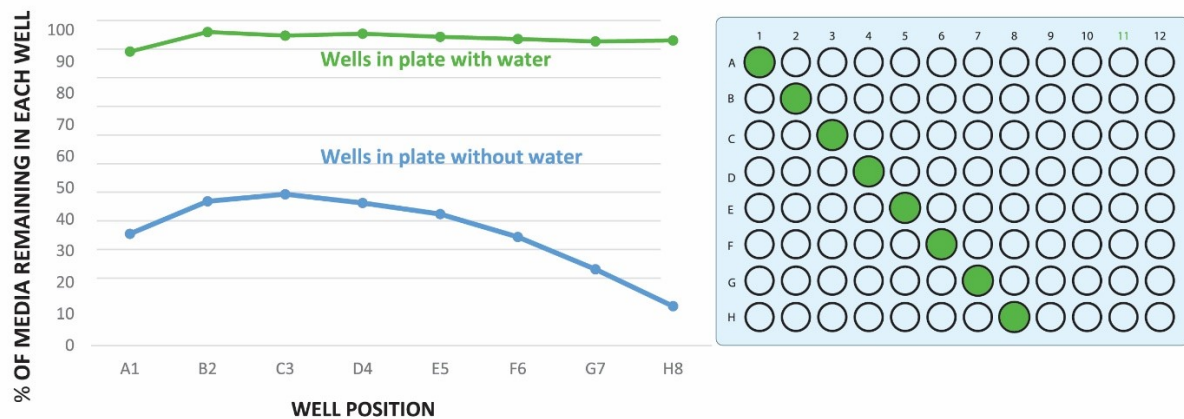
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## Advantages of using the Vale High Performance 96 microplate with water

The Vale High Performance 96 microplate, when filled with water, prevents evaporation even in the most extreme conditions, resulting in minimum media loss and high consistency across wells, as illustrated below.



Media loss due to evaporation was compared in plates with and without water in the inter-well cavity. Microplates were sealed in a Drying Capsule@ 40°C (+/- 3°C) for 48 hours and the percentage of liquid remaining in wells A1 to H8 (as shown in the above diagram) was measured. Data shows that there is minimal evaporation of the media in the wells in the water-filled microplate compared to the dry plate.

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## Components

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Material:	Polystyrene - suited to Tissue Culture & Microscopy
Colour:	Clear
Skirt:	SBS format compatible with automation
Bottom:	Flat bottomed
Working Volume:	20 - 150µL
No. Wells:	96
Packaging:	Individual
Sterility:	Sterile
Microplate Dimensions:	85.5 (W) x 127.8 (L) x 14 (H)
Manufacturing standards:	Manufactured under ISO 13485 (Medical Device standard)
Storage:	Store at room temperature: 4°C – 28°C and out of direct sunlight

## Safety warnings and precautions

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For research use only.

Not recommended or intended for diagnosis of disease in humans or animals.

Do not use internally or externally in humans or animals.

All chemicals should be considered as potentially hazardous. We therefore recommend this product be handled only by persons trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. Wear suitable protective clothing such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In the case of contact with skin or eyes wash immediately with water. See material safety data sheet(s) and/or safety statement(s) for specific advice.