

384 Deep Well Small Volume™ Polypropylene Microplate

Polypropylene microplates for reduced sample consumption and assay miniaturisation

384 well polypropylene microplates are frequently used for storage of active agents, patient samples or biomolecules. Direct transfer of sample materials from storage to assay plate has become increasingly important in screening, diagnostic and research applications. However current polypropylene microplates do not fulfill all needs for direct sample transfer, especially when low volumes cannot be accessed by pin tools or pipette tips, resulting in the loss of valuable sample material.

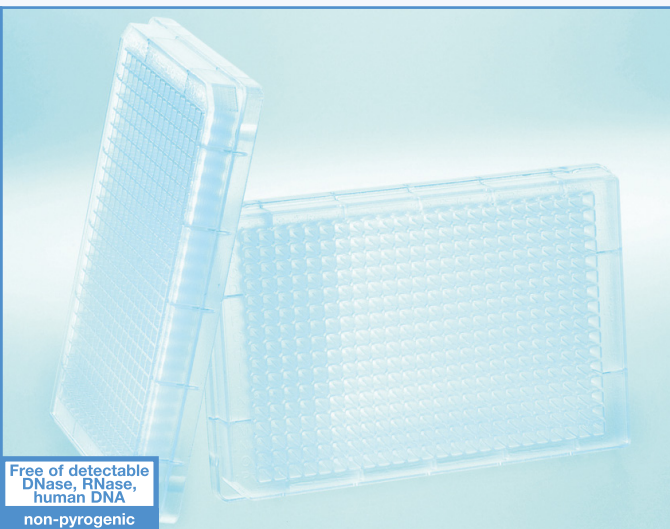
An optimal well design to directly address small sample volumes was determined in practical trials. A flat well bottom allows precise pipette tip positioning with aspiration close to the well bottom. With a standard microplate height (ANSI 1-2004) of 14.4 mm and 0.5 mm sealing rim, common plate handling processes such as heat sealing, piercing, stacking and transportation are easily employed without laborious robotic adaptation. A well geometry combination consisting of a square-top, conically tapered to a flat-bottom, renders the ideal design to utilise a high working volume with minimal waste of sample material.

The 384 Deep Well Small Volume™ polypropylene microplate is especially suited

- for direct compound transfer and preparation of assay-ready plates
- for pre-dilutions
- as storage plate
- for heat sealing
- for automation

Key Facts

- Focused liquid samples
- No loss of valuable compounds
- Large working volume from 1 µl to 90 µl
- Dead volume below 1 µl
- Standardised plate geometry (conform to ANSI 1-2004)
Length x Width x Height:
127.76 x 85.48 x 14.4 mm



Ordering Information

Cat. No.	Product Description	Quantity per Bag	Quantity per Case
784 201	384 Deep Well Small Volume™ Polypropylene Microplate, natural	10	100

Black and white microplate versions are available on request.