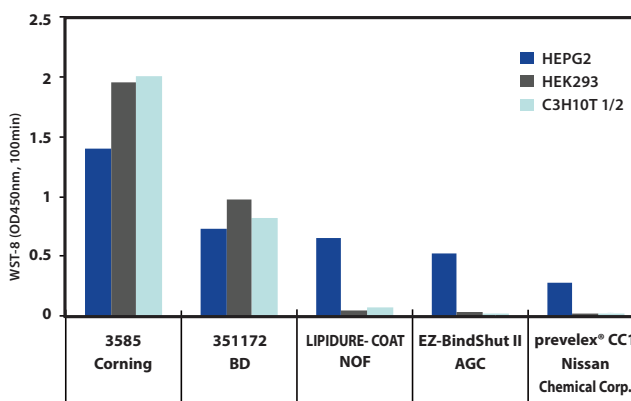
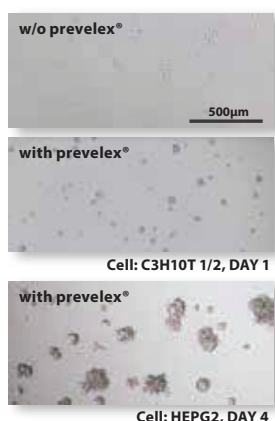


# prevelex<sup>®</sup> CC1

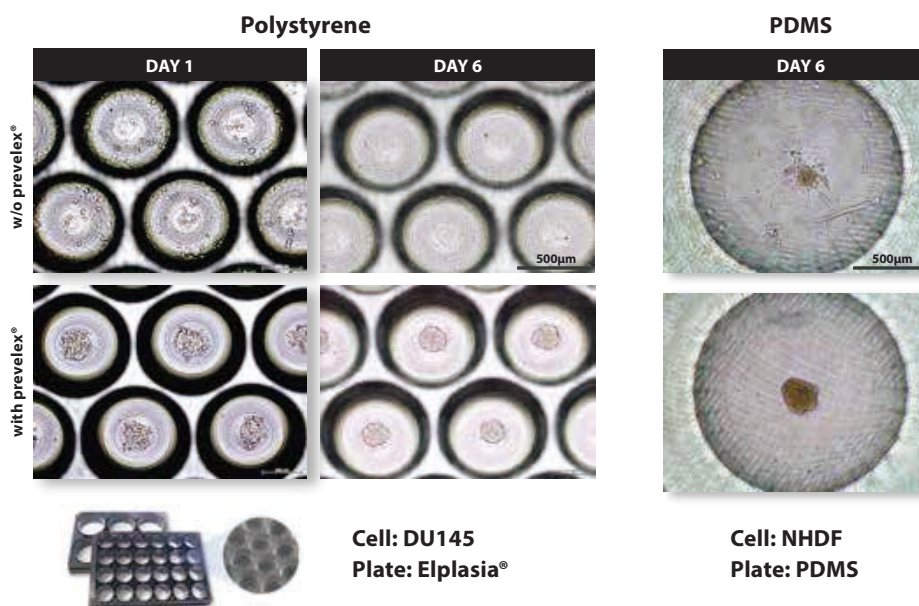
## Ultra thin film coating for prevention of cell adhesion and promotion of spheroid formation

- prevelex<sup>®</sup> coating neutralizes surface energy, inhibits non-specific binding and develops a hydrophilic membrane on the surface
- Uniform Conformal coating of nanometer order. Coating thickness between ~5 and ~10 nm
- Effective with a wide variety of substrates, including titer plates, microflow channels, cell culture flasks, conical tubes and substrates made of PS, PES, PDMS, SUS and glass
- 3 step coating process: Coat > Dry > Wash
- Enables formation of 3D Spheroids of a variety of cell types like ES/iPSC, MSC, HepG2, liver cells, heart cells etc.
- Safe for clinical use

### prevelex<sup>®</sup> CC1 on Polystyrene (PS) Plates

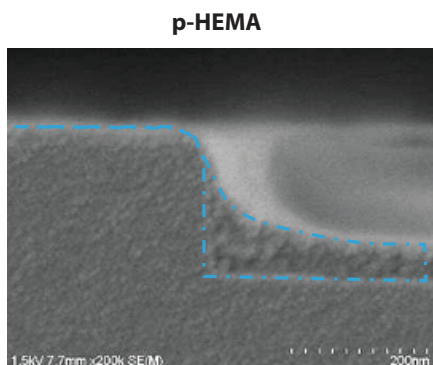


### prevelex<sup>®</sup> CC1 Anti-cell Adhesion Coating on Micro Dimples

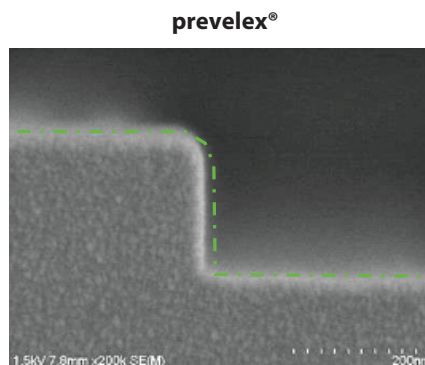


- Excellent coating properties to narrow pitch structures
- Ability form Spheroid

## Comparison of conformal coating of prevelex® and p-HEMA



Non-uniform Coating

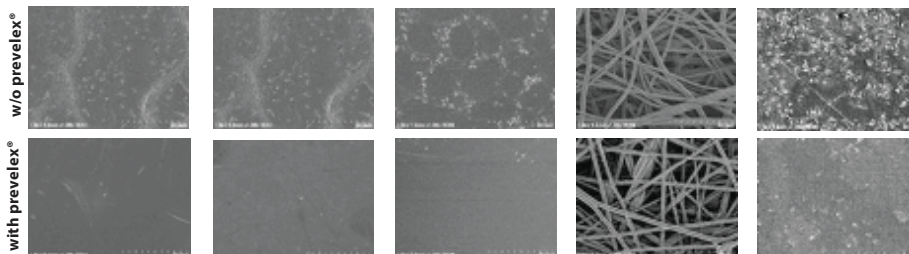
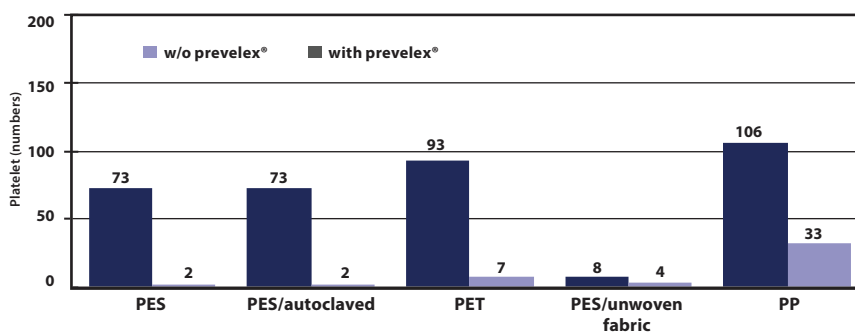


Conformal Coating (5nm)

**NOTE:**

- 1wt% Solution
- Coated on HMDS-treated etched Si wafer
- X-SEM observation

## Anti-platelet Coating on Various Substrates



### Safety

TEST	RESULTS
Acute Toxicity (Mouse Oral)	LD50: >2000 mg/kg
LLNA	negative
Cytotoxicity (V79 cells)	IC 50: 4135.3
AMES Test	negative
Chromosome Abnormality	negative

### Sterilization compatibility

EOG	✓
Autoclave	✓
y-ray sterilize (*30 kGy)	✓