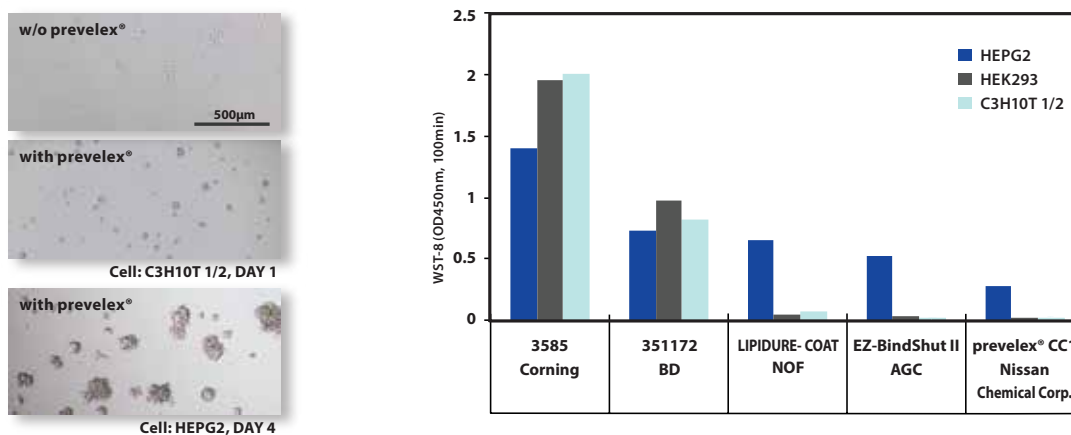


prevelex® CC1

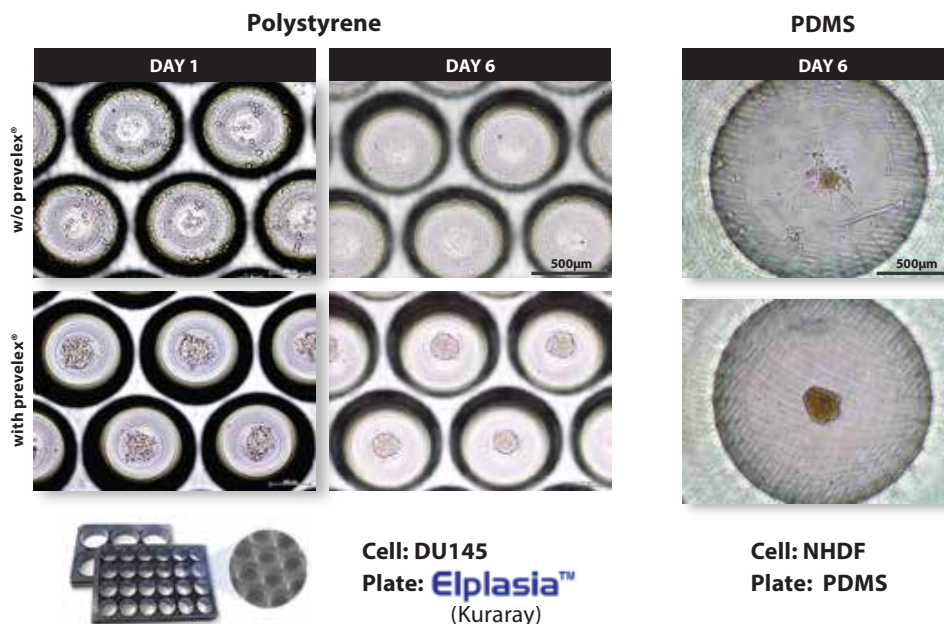
Ultra thin film coating for prevention of cell adhesion and promotion of spheroid formation

- prevelex® 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® CC1 on Polystyrene (PS) Plates

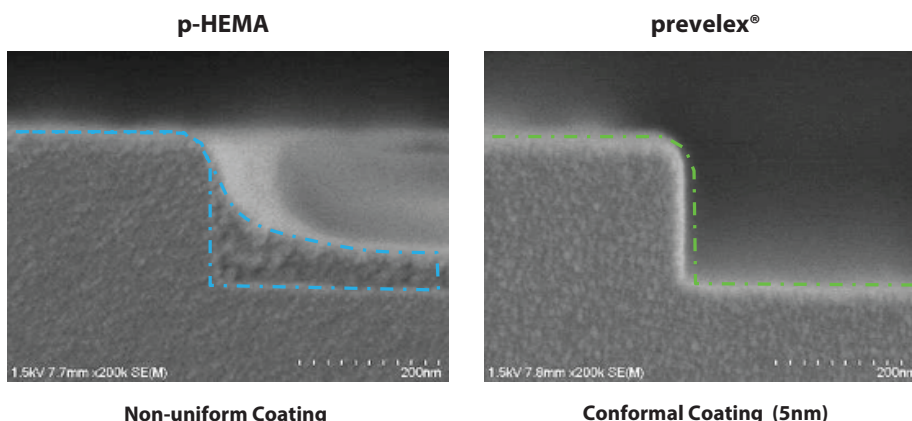


prevelex® CC1 Anti-cell Adhesion Coating on Micro Dimples



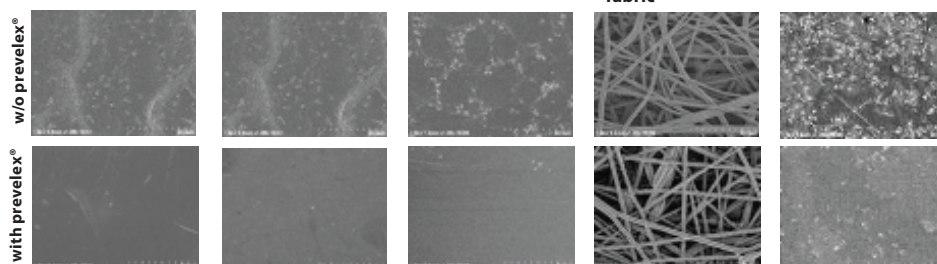
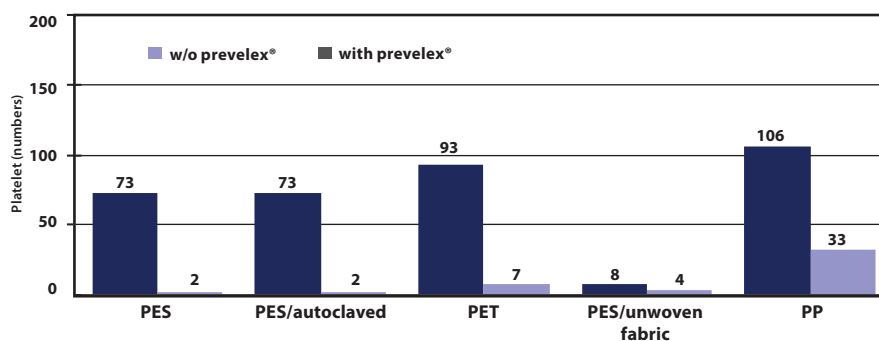
- Excellent coating properties to narrow pitch structures
- Ability form Spheroid

Comparison of conformal coating of prevelex® and p-HEMA



- 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)	✓