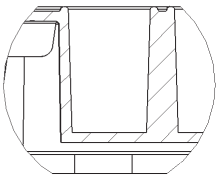
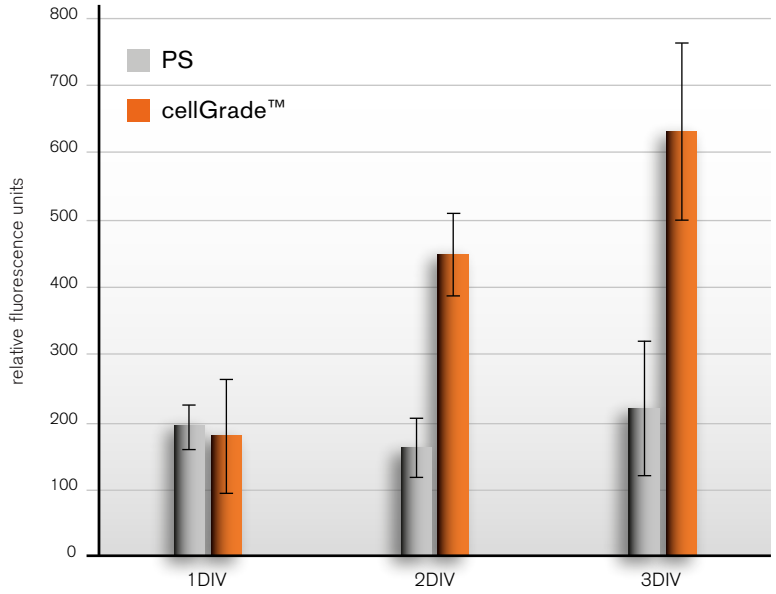
Proliferation of HepG2 cells on BRAND*plates*® cellGrade™ plus surface

Culture conditions

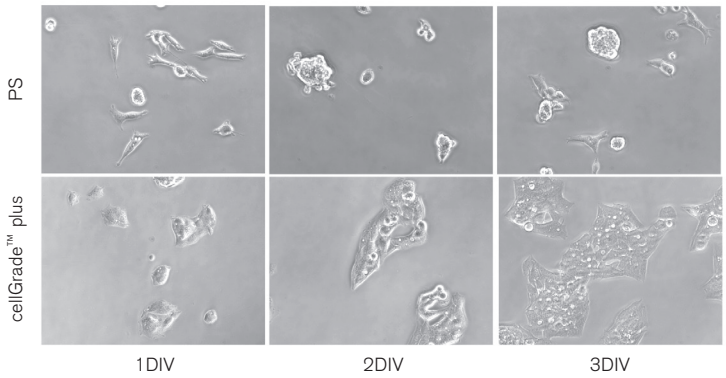
For each experiment HepG2 cells were seeded at a density of 6000 cells/cm² in wells of transparent 96-well F-bottom BRAND*plates*® and cultivated in DMEM medium containing 7 % FCS at 37° C, 95% relative humidity and 5 % CO_2.



A



B



A Metabolic activity measured by resazurin-resafurin turn over is used for relative quantification of cell numbers after 2 and 3 days post seeding. HepG2 cells were incubated in presence of 50 µM resazurin for 3 hours prior to fluorescence measurement (Ex 506 nm/Em 635 nm) in a plate reader (GeminiEM Molecular Devices). HepG2 cells cultivated on BRAND*plates*® cellGrade™ plus show higher fluorescence signals indicating higher cell numbers after 2 and 3 days in vitro (DIV) when compared to non-treated microplates (PS). Resafurin fluorescence measured in cell-free wells was used for background correction. Data represent mean and standard deviation of 8 measurements.

B Representative images of HepG2 cells cultivated on non treated (PS) and cellGrade™ plus treated microplates at corresponding time points (200 x magnification).

Conclusion

BRAND*plates*® with cellGrade™ plus surface perfectly support attachment and proliferation of HepG2 cells.

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