Amotosalen/UVA pathogen inactivation technology reduces platelet activatability, induces apoptosis and accelerates clearance

25 platelet apheresis units from healthy volunteers split into 2 components

untreated

treated with Amotosalen/UVA (Intercept™ Blood System)

Platelet impedance aggregation in response to collagen and thrombin

day 1 of storage

reduced by 80%

reduced by 60%

IBS

Shedding

Gplb

Cleavage

Reduced availability

Apoptosis

Clearance

p38

TACE

P

BAK

Stivala et al., Haematologica, 2017