FIG. 1

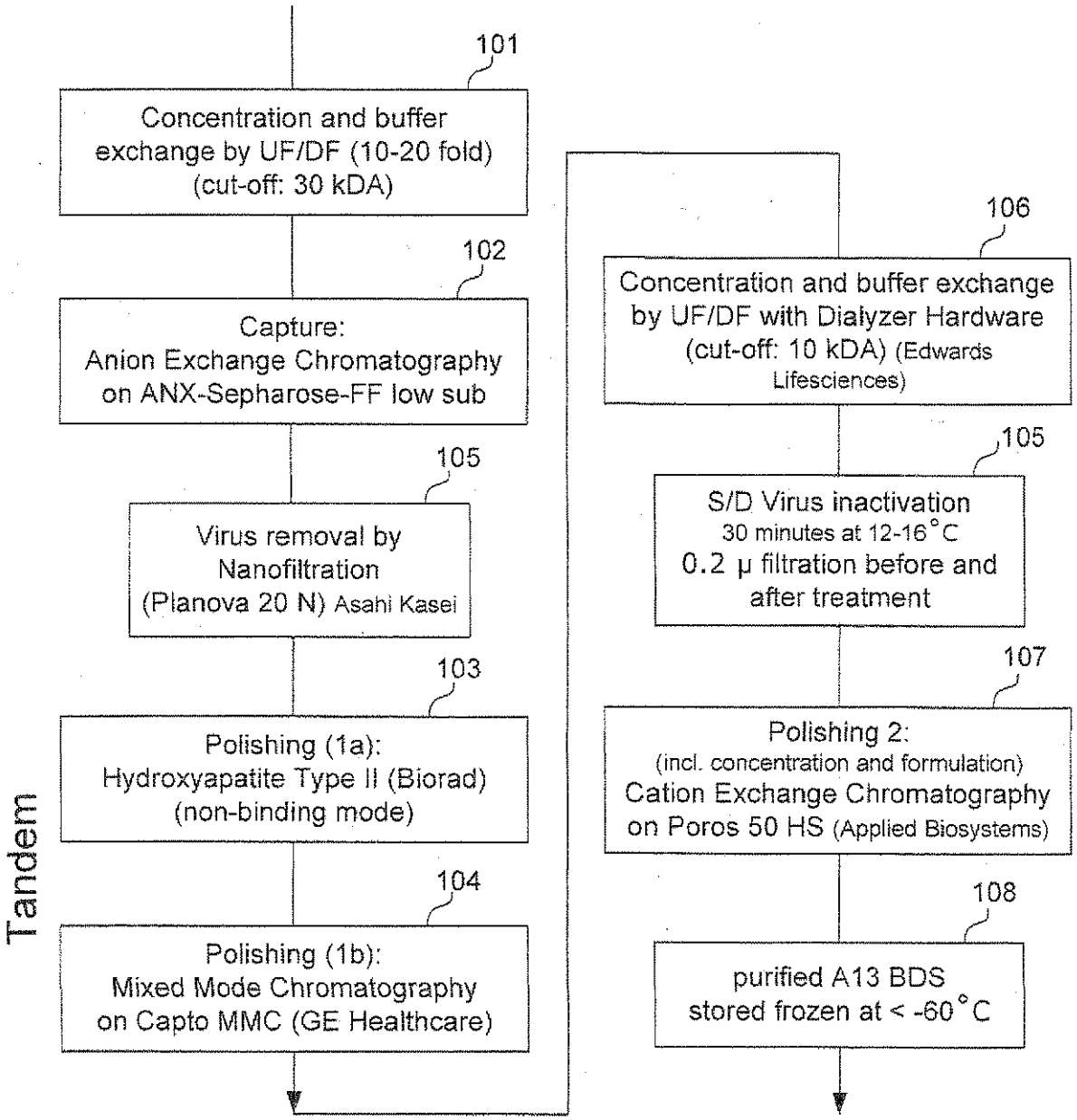

Tandem
101
Concentration and buffer exchange by UF/DF (10-20 fold) (cut-off: 30 kDA)
102
Capture: Anion Exchange Chromatography on ANX-Sepharose-FF low sub
105
Virus removal by Nanofiltration (Planova 20 N) Asahi Kasei
103
Polishing (1a): Hydroxyapatite Type II (Biorad) (non-binding mode)
104
Polishing (1b): Mixed Mode Chromatography on Capto MMC (GE Healthcare)
106
Concentration and buffer exchange by UF/DF with Dialyzer Hardware (cut-off: 10 kDA) (Edwards Lifesciences)
105
S/D Virus inactivation 30 minutes at 12-16°C 0.2 µ filtration before and after treatment
107
Polishing 2: (incl. concentration and formulation) Cation Exchange Chromatography on Poros 50 HS (Applied Biosystems)
108
purified A13 BDS stored frozen at < -60°C

FIG. 2

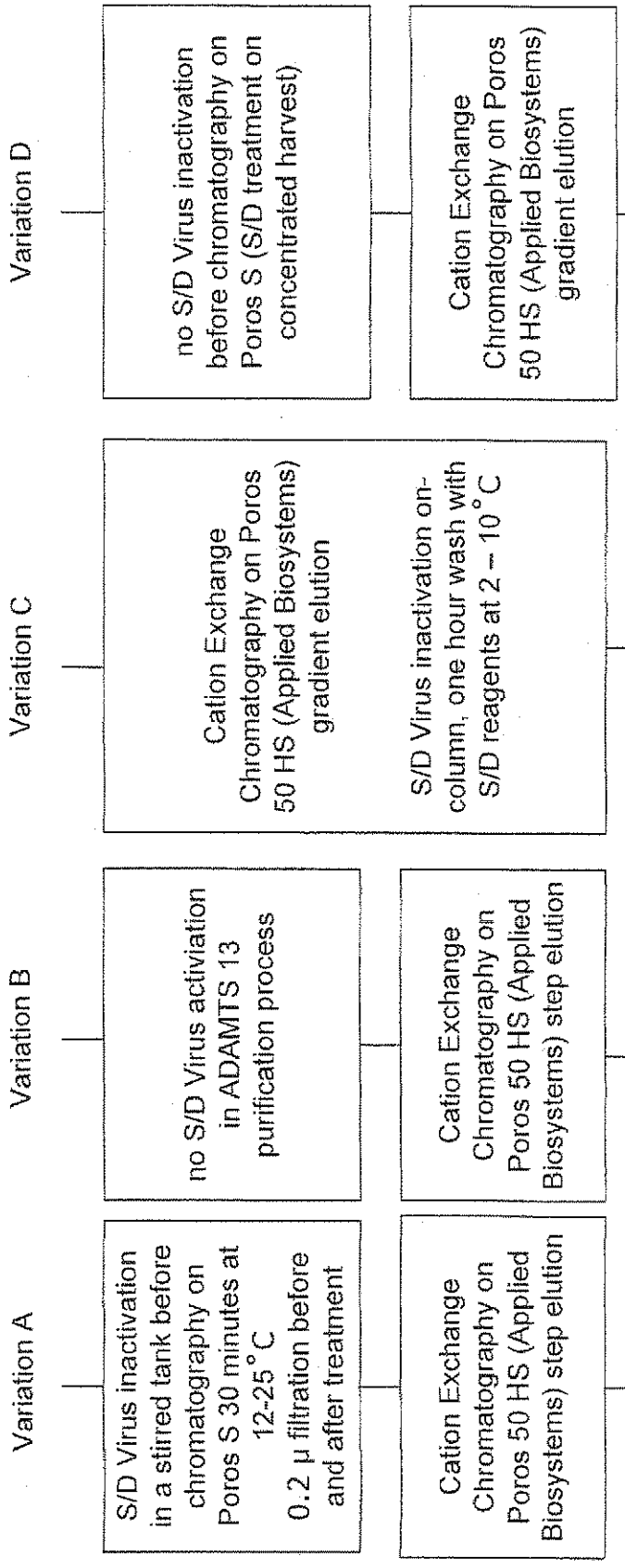


FIG. 2A FIG. 2B FIG. 2C FIG. 2D