Fig. 1

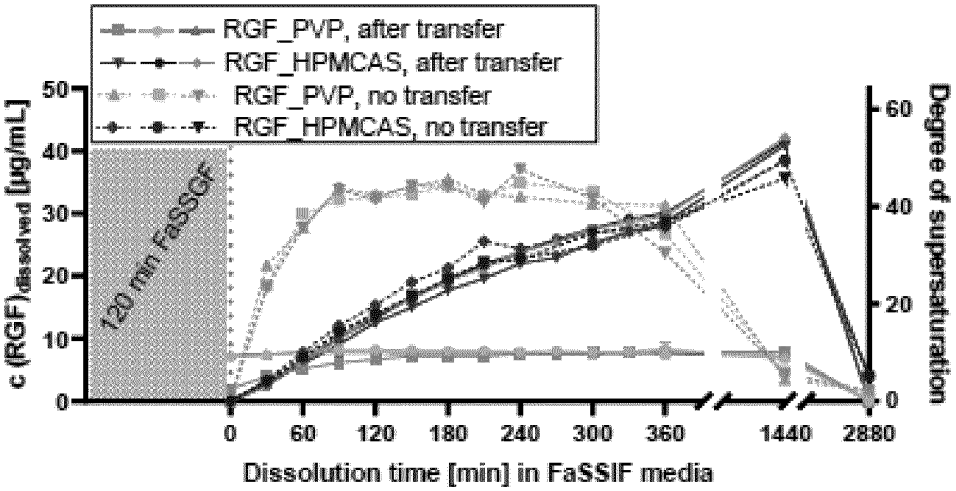

RGF_PVP, after transfer
RGF_HPMCAS, after transfer
RGF_PVP, no transfer
RGF_HPMCAS, no transfer
120 min FaSSGF
c (RGF)dissolved [µg/mL]
Degree of supersaturation
0
10
20
30
40
50
0
20
40
60
0
60
120
180
240
300
360
1440
2880
Dissolution time [min] in FaSSIF media

Fig. 2:

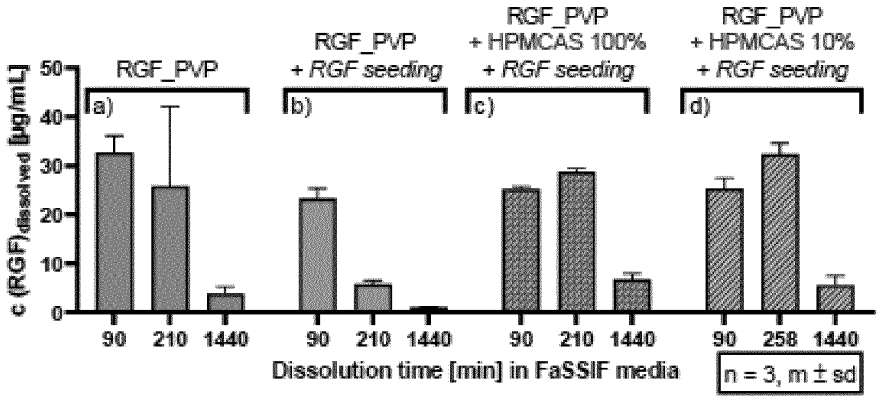
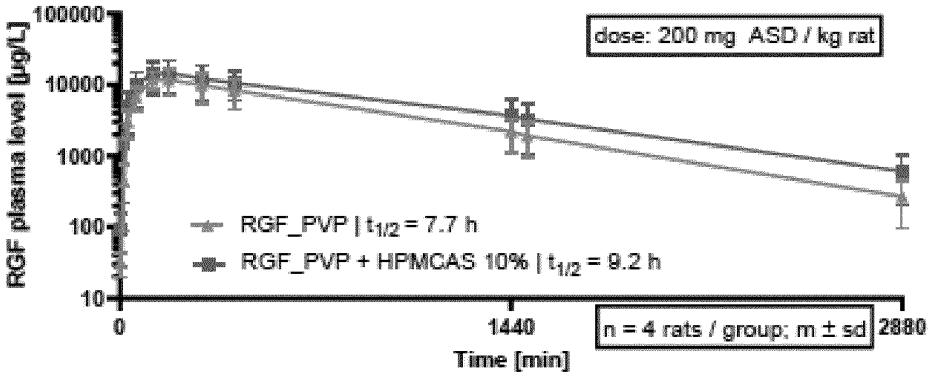
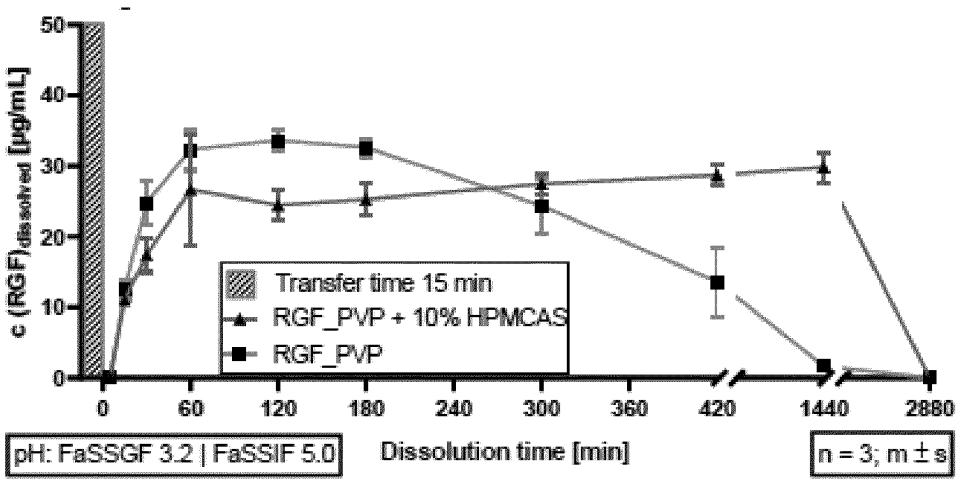

RGF_PVP
RGF_PVP + RGF seeding
RGF_PVP + HPMCAS 100% + RGF seeding
RGF_PVP + HPMCAS 10% + RGF seeding
a)
b)
c)
d)
c (RGF)dissolved [µg/mL]
0
10
20
30
40
50
90 210 1440 90 210 1440 90 210 1440 90 258 1440
Dissolution time [min] in FaSSIF media
n = 3, m ± sd

Fig. 3:


RGF plasma level [µg/L]
100000
10000
1000
100
10
0
1440
2880
Time [min]
dose: 200 mg ASD / kg rat
RGF_PVP | t1/2 = 7.7 h
RGF_PVP + HPMCAS 10% | t1/2 = 9.2 h
n = 4 rats / group; m ± sd


c (RGF)dissolved [µg/mL]
50
40
30
20
10
0
Transfer time 15 min
RGF_PVP + 10% HPMCAS
RGF_PVP
0
60
120
180
240
300
360
420
1440
2880
pH: FaSSGF 3.2 | FaSSIF 5.0
Dissolution time [min]
n = 3; m ± s