Figure 1

(A)



(B)



Figure 2

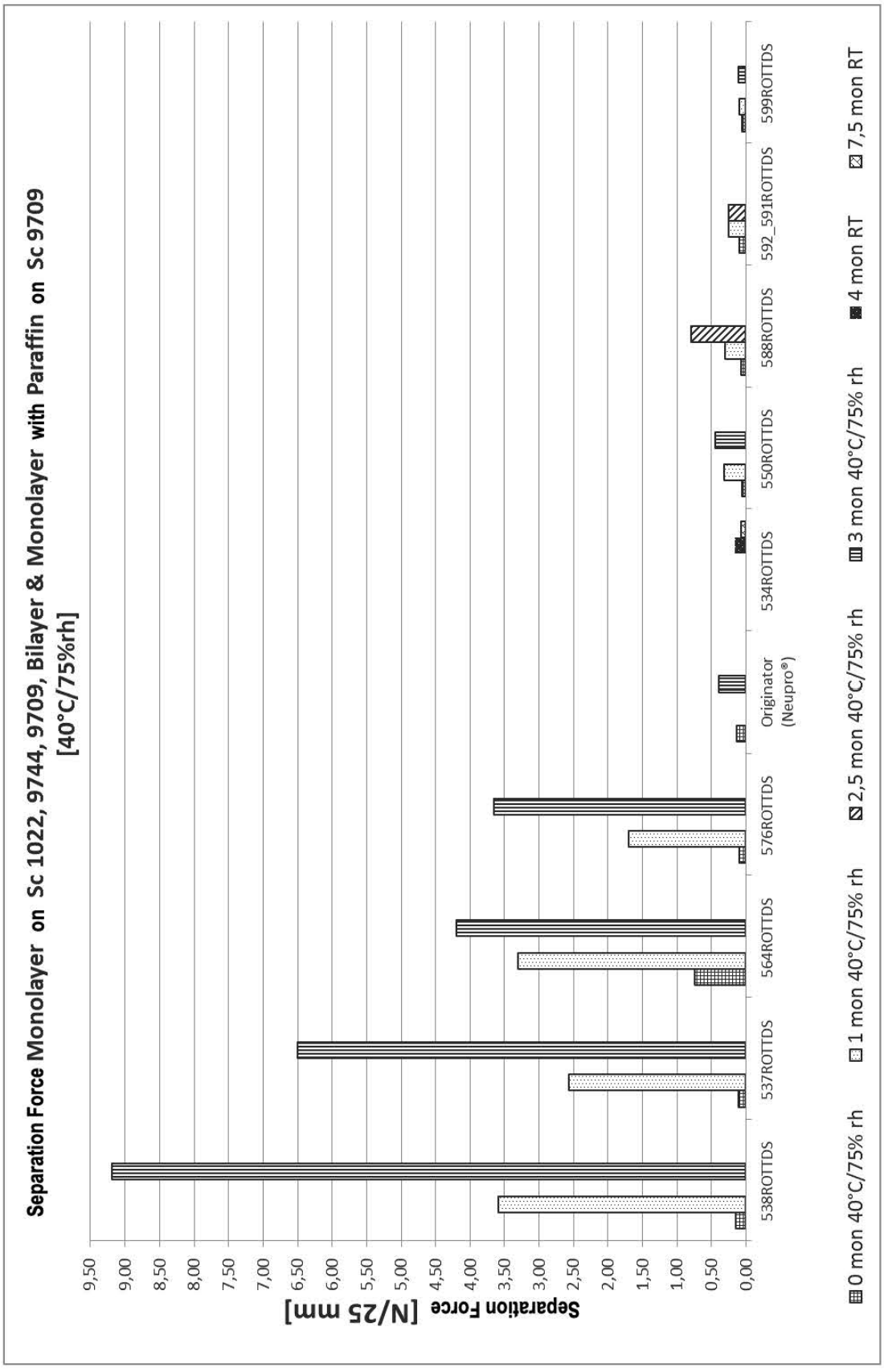

Separation Force Monolayer on Sc 1022, 9744, 9709, Bilayer & Monolayer with Paraffin on Sc 9709
[40°C/75%rh]
Separation Force [N/25 mm]
9,50
9,00
8,50
8,00
7,50
7,00
6,50
6,00
5,50
5,00
4,50
4,00
3,50
3,00
2,50
2,00
1,50
1,00
0,50
0,00
538ROTTDS
537ROTTDS
564ROTTDS
576ROTTDS
Originator (Neupro®)
534ROTTDS
550ROTTDS
588ROTTDS
592_591ROTTDS
599ROTTDS
0 mon 40°C/75% rh
1 mon 40°C/75% rh
2,5 mon 40°C/75% rh
3 mon 40°C/75% rh
4 mon RT
7,5 mon RT

Figure 3

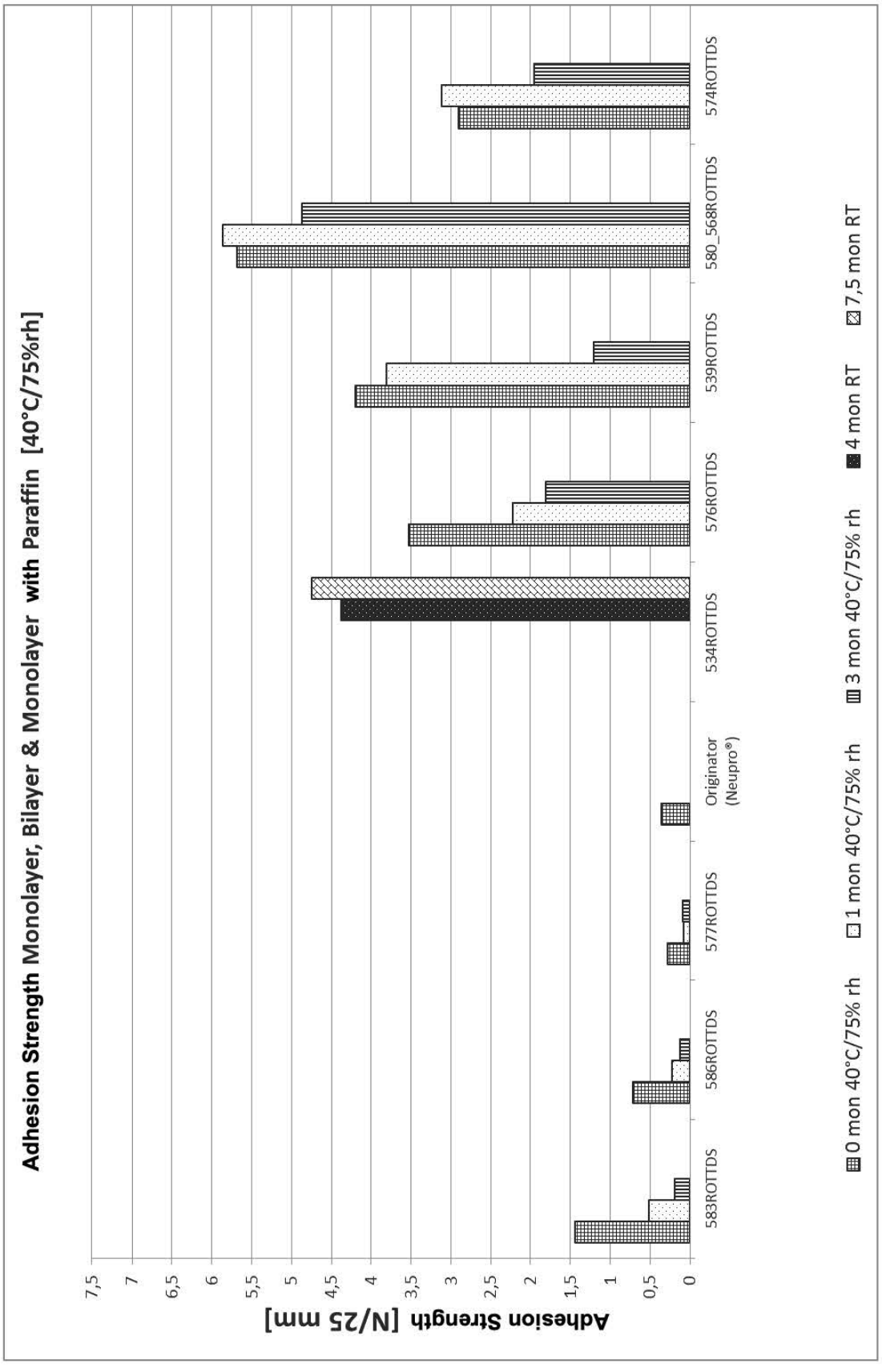
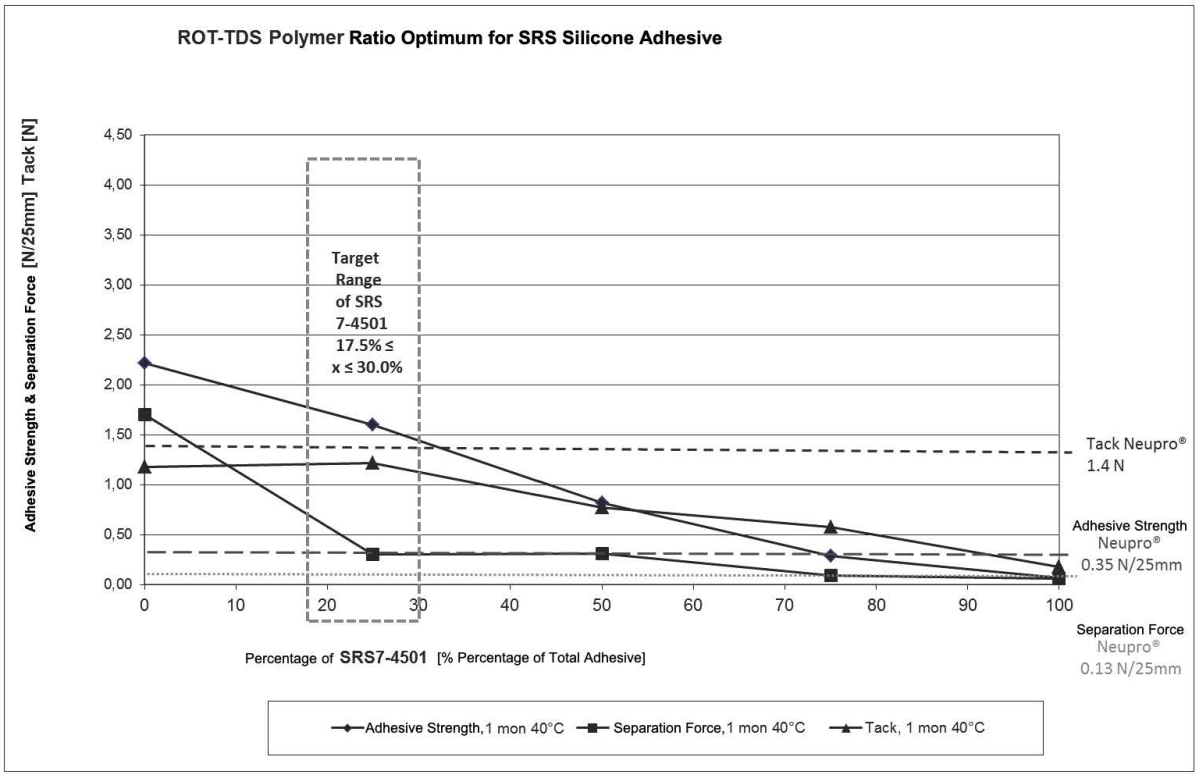

Adhesion Strength Monolayer, Bilayer & Monolayer with Paraffin [40°C/75%rh]
Adhesion Strength [N/25 mm]
7,5
7
6,5
6
5,5
5
4,5
4
3,5
3
2,5
2
1,5
1
0,5
0
583ROTTDS
586ROTTDS
577ROTTDS
Originator (Neupro®)
534ROTTDS
576ROTTDS
539ROTTDS
580_568ROTTDS
574ROTTDS
0 mon 40°C/75% rh
1 mon 40°C/75% rh
3 mon 40°C/75% rh
4 mon RT
7,5 mon RT

Figure 4

(A)


ROT-TDS Polymer Ratio Optimum for SRS Silicone Adhesive
Adhesive Strength & Separation Force [N/25mm] Tack [N]
4,50
4,00
3,50
3,00
2,50
2,00
1,50
1,00
0,50
0,00
0
10
20
30
40
50
60
70
80
90
100
Target Range of SRS 7-4501 17.5% ≤ x ≤ 30.0%
Tack Neupro® 1.4 N
Adhesive Strength Neupro® 0.35 N/25mm
Separation Force Neupro® 0.13 N/25mm
Percentage of SRS7-4501 [% Percentage of Total Adhesive]
Adhesive Strength, 1 mon 40°C
Separation Force, 1 mon 40°C
Tack, 1 mon 40°C

(B)

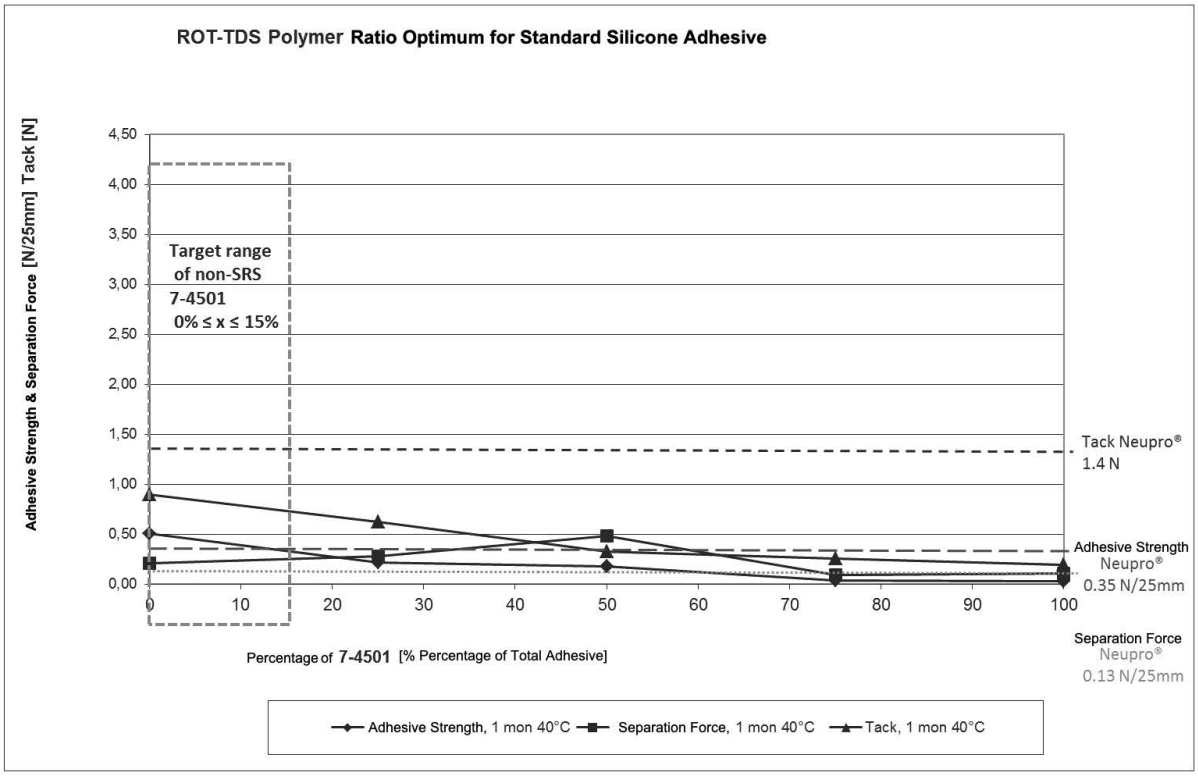

ROT-TDS Polymer Ratio Optimum for Standard Silicone Adhesive
Adhesive Strength & Separation Force [N/25mm] Tack [N]
4,50
4,00
3,50
3,00
2,50
2,00
1,50
1,00
0,50
0,00
0
10
20
30
40
50
60
70
80
90
100
Target range of non-SRS 7-4501 0% ≤ x ≤ 15%
Tack Neupro® 1.4 N
Adhesive Strength Neupro® 0.35 N/25mm
Separation Force Neupro® 0.13 N/25mm
Percentage of 7-4501 [% Percentage of Total Adhesive]
Adhesive Strength, 1 mon 40°C
Separation Force, 1 mon 40°C
Tack, 1 mon 40°C

Figure 5

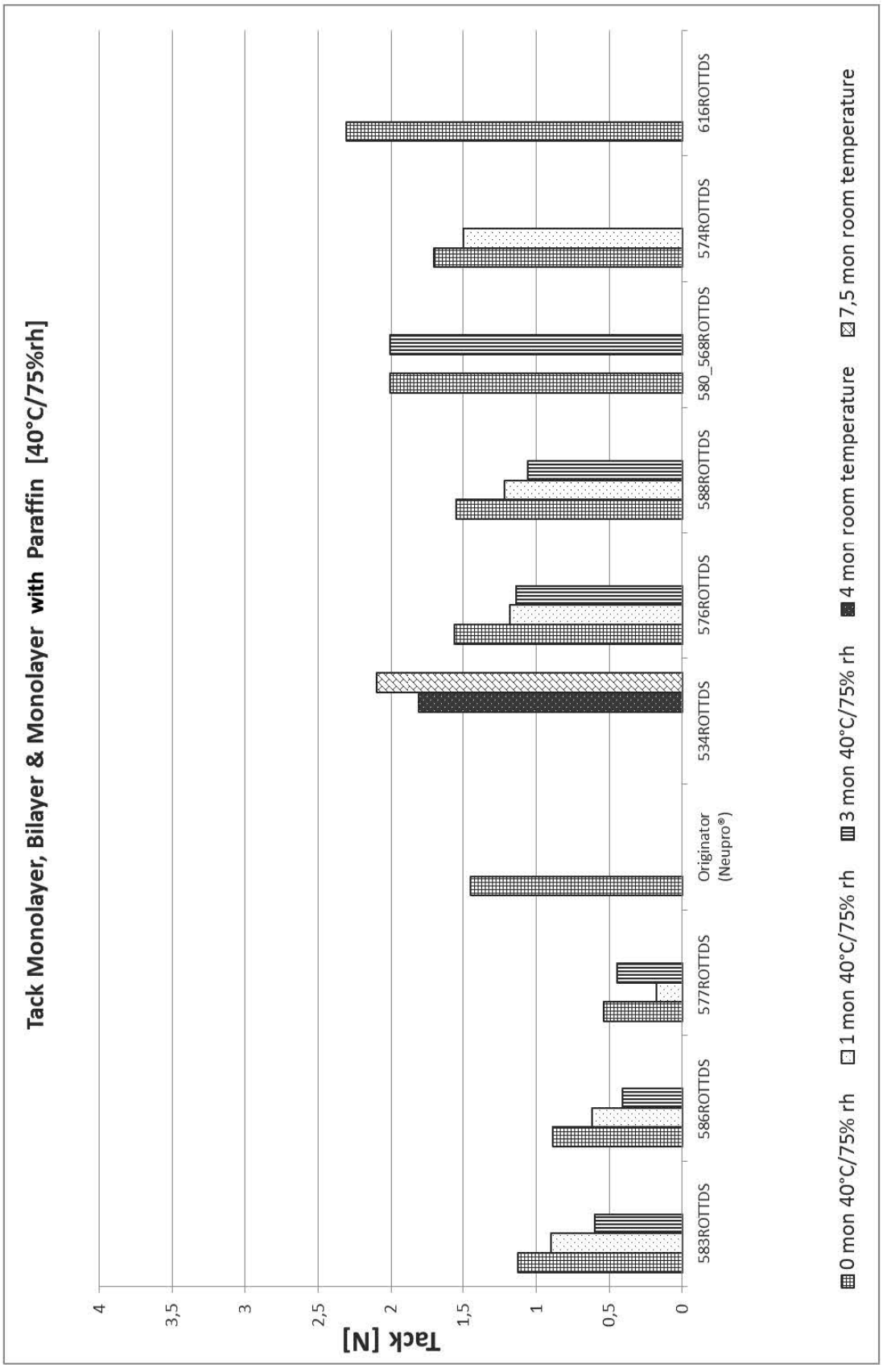
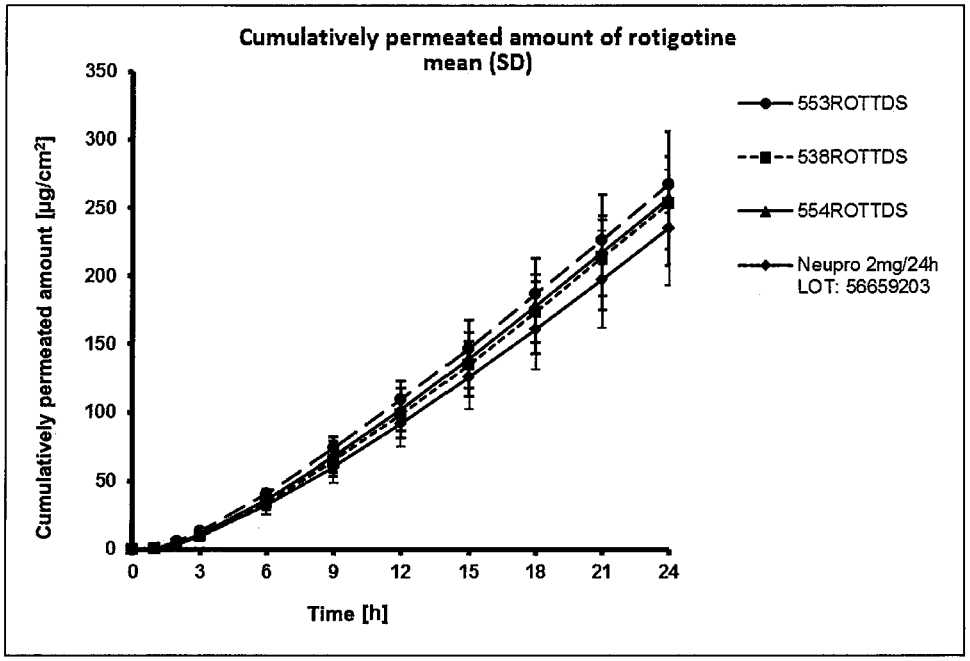

Tack Monolayer, Bilayer & Monolayer with Paraffin [40°C/75%rh]
Tack [N]
4
3,5
3
2,5
2
1,5
1
0,5
0
583ROTTDS
586ROTTDS
577ROTTDS
Originator (Neupro®)
534ROTTDS
576ROTTDS
588ROTTDS
580_568ROTTDS
574ROTTDS
616ROTTDS
0 mon 40°C/75% rh
1 mon 40°C/75% rh
3 mon 40°C/75% rh
4 mon room temperature
7,5 mon room temperature

Figure 6

A)


Cumulatively permeated amount of rotigotine
mean (SD)
Cumulatively permeated amount [µg/cm²]
350
300
250
200
150
100
50
0
0
3
6
9
12
15
18
21
24
Time [h]
553ROTTDS
538ROTTDS
554ROTTDS
Neupro 2mg/24h
LOT: 56659203

B)

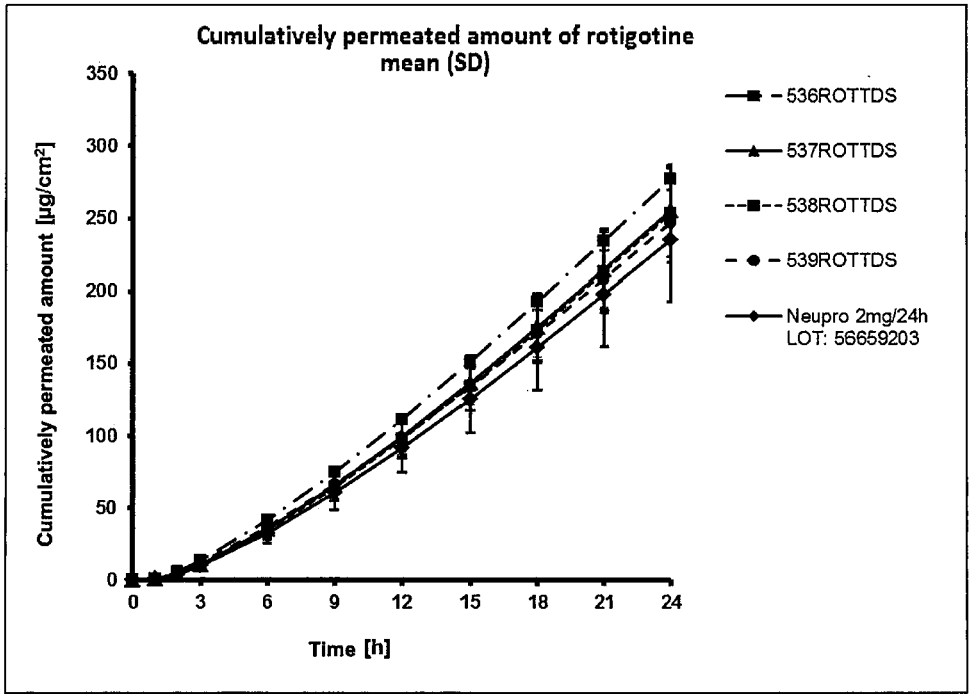
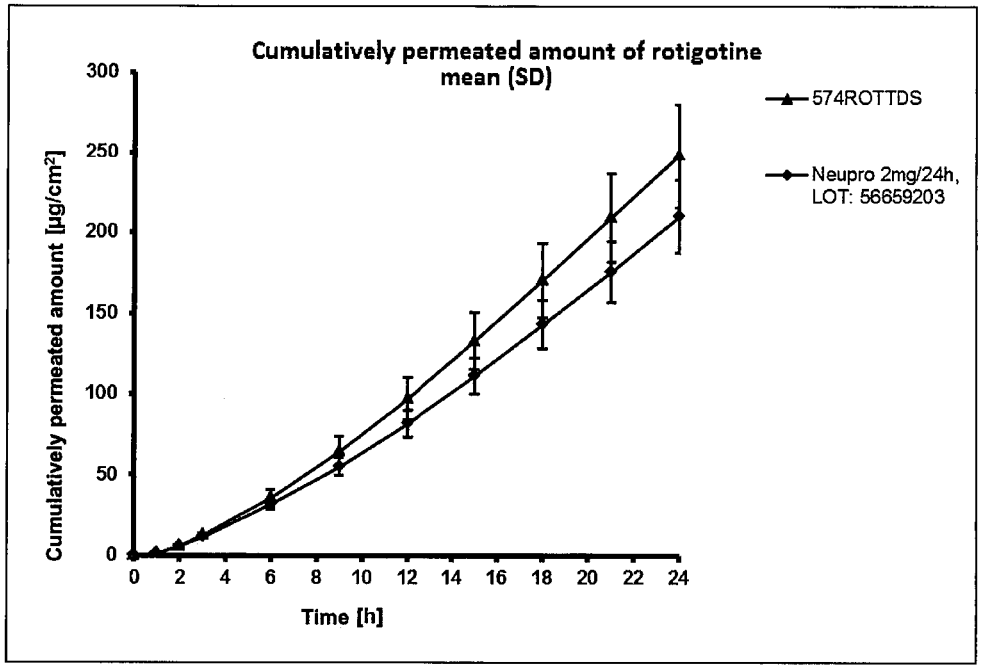

Cumulatively permeated amount of rotigotine
mean (SD)
Cumulatively permeated amount [µg/cm²]
350
300
250
200
150
100
50
0
0
3
6
9
12
15
18
21
24
Time [h]
536ROTTDS
537ROTTDS
538ROTTDS
539ROTTDS
Neupro 2mg/24h
LOT: 56659203

Figure 7

A)


Cumulatively permeated amount of rotigotine
mean (SD)
Cumulatively permeated amount [µg/cm²]
Time [h]
574ROTTDS
Neupro 2mg/24h,
LOT: 56659203

B)

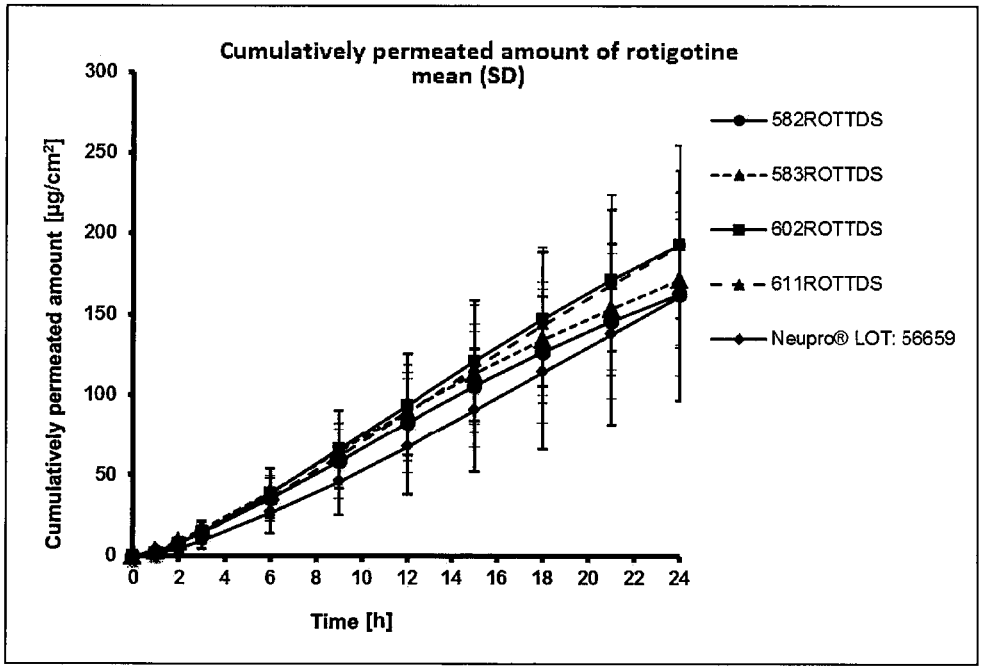
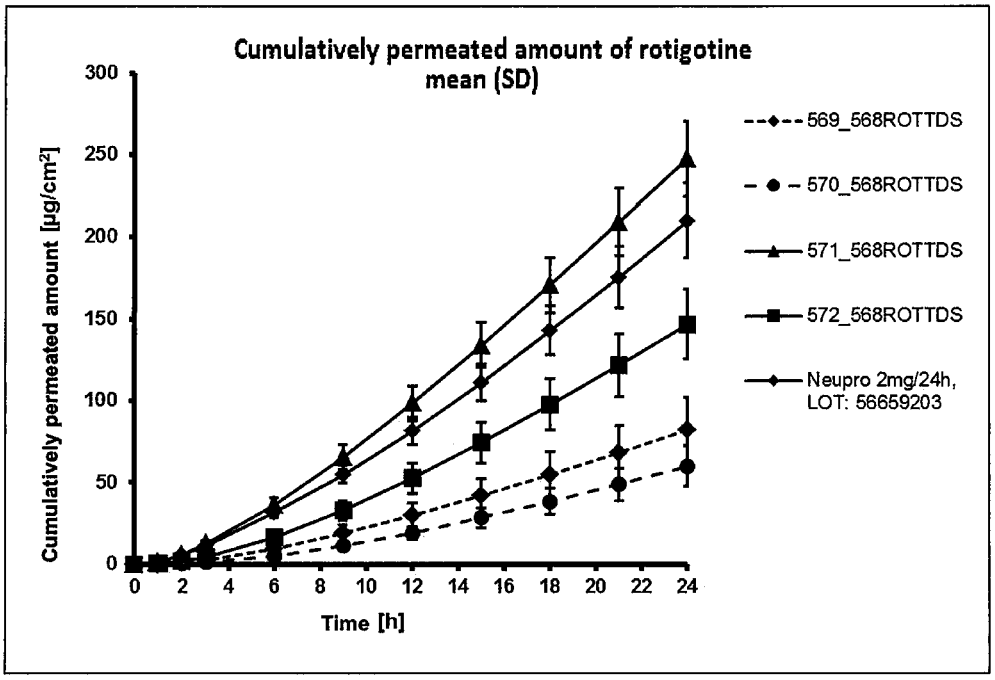

Cumulatively permeated amount of rotigotine
mean (SD)
Cumulatively permeated amount [µg/cm²]
Time [h]
582ROTTDS
583ROTTDS
602ROTTDS
611ROTTDS
Neupro® LOT: 56659

Figure 8

A)


Cumulatively permeated amount of rotigotine
mean (SD)
Cumulatively permeated amount [µg/cm²]
300
250
200
150
100
50
0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time [h]
569_568ROTTDS
570_568ROTTDS
571_568ROTTDS
572_568ROTTDS
Neupro 2mg/24h,
LOT: 56659203

B)

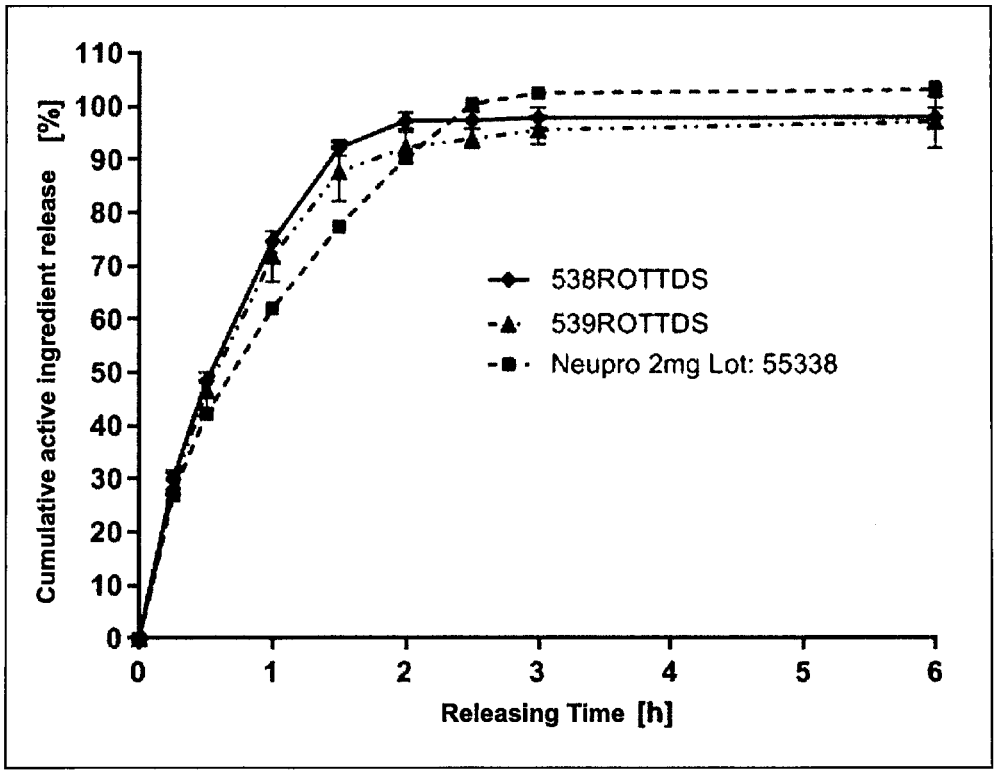
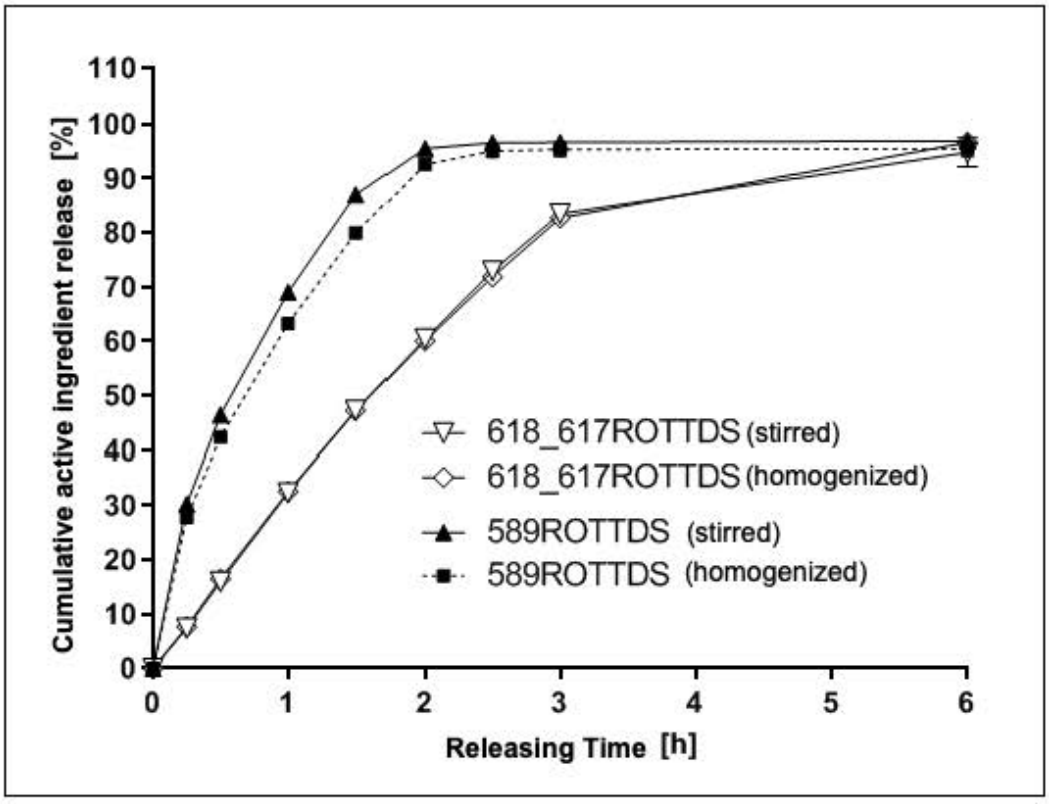

Cumulative active ingredient release [%]
110
100
90
80
70
60
50
40
30
20
10
0
0 1 2 3 4 5 6
Releasing Time [h]
538ROTTDS
539ROTTDS
Neupro 2mg Lot: 55338

Figure 9


Cumulative active ingredient release [%]
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
Releasing Time [h]
618_617ROTTDS (stirred)
618_617ROTTDS (homogenized)
589ROTTDS (stirred)
589ROTTDS (homogenized)