

Figure S1: Gating strategy applied to distinguish between background noise and cells.

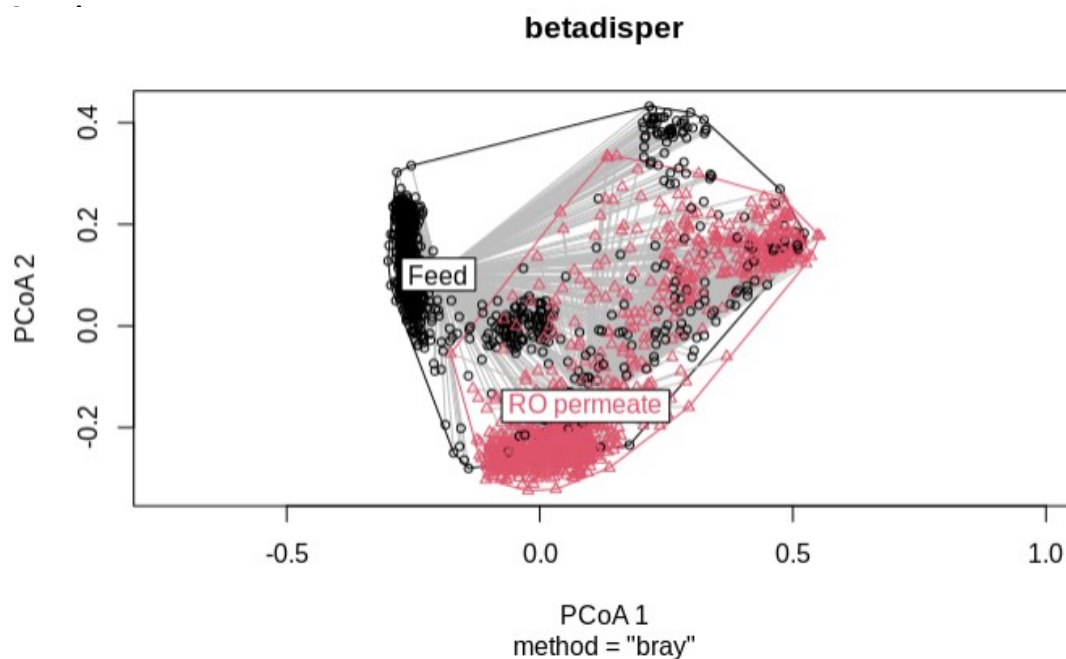


Figure S2: The general betadispersivity plot. The betadispersivity calculates the average distance of each group to their centroid (median). This was used to evaluate the dispersivity within the sample.

Pantarein

Egide Walschaertsstraat 22L
 B-2800 Mechelen



ACCREDITATIE NR.: 080-TEST
 ISO 17025

Ons referentnummer	2106-28350	Referte aanvrager	Citrique Belge, Tienen / R0 permeaat r001-hv18
Datum ontvangst	28/06/2021	Staalname door:	Segers Gert (NFC)
Datum inzet	29/06/2021	datum:	28/06/2021 10:02:00
Staat van het monster	gekoeld	Aard monster	drinkwater
Stockage labo	frigo		
Status rapport	definitief		
Datum opmaak rapport	5/07/2021		

Parameter	Waarde	Eenheid	Methode	Min.	Max.
E. coli	0	CFU / 100 ml	WAC/VA/002 (**)		0
Totaal kiemgetal 22°C	3	CFU / ml	NF EN ISO 6222 - WAC/VA/001 (**)		indicatorwaarde
Totale Coliformen	0	CFU / 100 ml	WAC/VA/002 (**)		0
geleidbaarheid	30,9	µS/cm bij 20 °C	WAC/III/A/004 - ISO 7888 (**)		2500
geur	aanvaardbaar		Eigen methode		
kleur	niet gekleurd		Eigen methode		
nitraat	1,74	mg/l	eigen methode gebaseerd op WSAQTON en WSAQNO2 (spectrofotometrie), WAC/III/C, CMA/2/I/C (E**)		50
nitriet	<0,033	mg/l	ISO 15923-1 (discrete analyser) (WAC/III/C, CMA/2/I/C) (E**)		0,5
pH (zuurtegraad)	6,1	(28,4°C)	WAC/III/A/005 - ISO 10523 (**)	6,5	9,5
smaak	niet getest		Eigen methode		
troebelingsgraad	0,1	NTU	Afgeleid van SM 2130		indicatorwaarde

KB 14/01/2002 (n)

Conclusie: alle numerieke resultaten, vet gedrukt, zijn niet bevredigend (tenzij de min.- of max-waarden richtwaarden betreffen) (parameters, waarvan de norm niet vermeld is, zijn niet beoordeeld)

(*): geschat aantal - (**): geaccrediteerde test (indien WAC,CMA of BAM-methode:tevens VLAREL-erkend - (E): extern labo - (E**): geaccrediteerde test bij extern labo - (n): bron vermelde normen

Opmerking aanvrager:
Opmerking Bemonsteringsprocedure MW ** - Monstername verslag is beschikbaar, zie ons referentnummer. MO pH: 2% labo:

Deze beproevingsresultaten hebben uitsluitend betrekking op het hierboven beschreven proefobject. De meetonzekerheden en de gegevens van het externe labo kunnen bij het laboratorium opgevraagd worden. Dit verslag mag niet worden gereproduceerd, behalve in volledige vorm, zonder de schriftelijke toestemming van het beproevingslaboratorium. Indien de monstername "door de aanvrager" gebeurd is, kan, betreft de houdbaarheid, alleen rekening worden gehouden met de ontvangstdatum.

Rapport lay-out: R029A10-02

Dr. ir. Stefan Coghe
 Algemeen Directeur

Figure S3: Report of the permeate quality tests from a sample taken on 28/06/2021. The analysis done is comparable to a drinking water analysis. Based on the results, the permeate water was of excellent microbial quality. Especially the absence of *E.coli* and coliforms means that no pathogenic bacteria were present in the permeate.

Significant increases/decreases in cell density in the feed, based on the Sign of differences test.

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Significant run from 2021-05-06 23:56:55 to Day 2 01:30:09
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Significant run from Day 2 10:22:01 to Day 2 10:52:48
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Significant increases/decreases in cell density in the permeate, based on the Sign of differences test.

Significant run from Day 1 18:50:18 to Day 1 21:22:06
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Significant run from Day 11 09:23:52 to Day 11 09:54:39
Significant run from Day 11 10:25:27 to Day 11 10:56:15
Significant run from Day 11 11:27:04 to Day 11 14:01:19
Significant run from Day 11 14:32:11 to Day 11 15:03:06
Significant run from Day 11 16:05:03 to Day 11 19:11:20
Significant run from Day 11 20:44:28 to Day 11 21:46:42
Significant run from Day 11 22:48:55 to Day 11 23:20:00
Significant run from Day 12 00:24:15 to Day 12 01:56:24
Significant run from Day 12 05:01:12 to Day 12 06:02:55
Significant run from Day 12 06:33:52 to Day 12 08:06:43
Significant run from Day 12 09:39:18 to Day 12 10:10:15
Significant run from Day 12 10:41:12 to Day 12 11:42:59
Significant run from Day 12 12:45:02 to Day 12 13:16:00
Significant run from Day 12 13:46:58 to Day 12 14:49:00
Significant run from Day 12 17:26:13 to Day 12 17:56:57
Significant run from Day 12 18:27:41 to Day 12 18:58:27
Significant run from Day 12 20:00:02 to Day 12 20:31:15
Significant run from Day 12 21:33:13 to Day 12 23:06:06
Significant run from Day 13 00:08:04 to Day 13 00:39:05
Significant run from Day 13 01:41:17 to Day 13 02:43:29
Significant run from Day 13 04:17:09 to Day 13 04:48:16
Significant run from Day 13 05:19:37 to Day 13 05:50:43
Significant run from Day 13 06:53:16 to Day 13 07:24:43
Significant run from Day 13 10:33:11 to Day 13 11:34:40
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Significant run from Day 13 14:08:42 to Day 13 15:10:12
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Significant run from Day 13 23:57:14 to Day 14 00:59:39
Significant run from Day 14 02:03:51 to Day 14 02:34:35
Significant run from Day 14 04:06:47 to Day 14 04:37:33
Significant run from Day 14 05:08:21 to Day 14 05:39:09
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