

Field	Information
Article Title	In vitro comparison of physical characteristics, enzyme content, and release kinetics of pancreatic enzyme preparations available in Europe and Canada
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Supplementary tables

Supplementary table 1: Overview of Pancreatic Enzyme Products Investigated

Country	Vendor	Product	Strength ¹	Lot	Dosage Form
Canada	Aptalis Pharma Canada ULC	Viokace	10.4k	205019A	Tablet
	BGP Pharma ULC	Creon	5k	58899	Granules
	BGP Pharma ULC	Creon	10k	59273	Capsule
	BGP Pharma ULC	Creon	25k	59546	Capsule
	Mylan	Creon	35k	61097	Capsule
	Merck Canada Inc	Cotazym E.C.S-8	10.8k	CO247	Capsule
	Vivus Inc	Pancrease MT4	4.2k	916501	Capsule
	Vivus Inc	Pancrease MT10	10.5k	916411	Capsule
	Vivus Inc	Pancrease MT16	16.8k	916901	Capsule
	Vivus Inc	Pancrease MT20	21k	201501	Capsule
	Merck Canada Inc	Cotazym	10k	CO356	Capsule/ powder
	Organon	Cotazym E.C.S 20	25k	C1379	Capsule
	Nestle Health Science	Viokace	20.9k	215509A	Tablet
	Sanofi-Aventis	Pancreolan	6k	2200620	Tablet
Czech Republic	Orifarm A/S	Panc.Mtabs	25k	20AQ22800	Capsule

Denmark	Mayoly Laboratories	Eurobiol	40k	36	Capsule
France	Mayoly Laboratories	Eurobiol	12.5k	3	Capsule
	Mayoly Laboratories	Eurobiol	12.5k	21	Granules
	Richter Gedeon Nyrt	Dipankrin	120mg	T06587A	Tablet
Germany	Abbott Laboratories GmbH	Creon	20k	58845	Capsule
Hungary	Berlin-Chemie AG	Mezym	20k	02028B	Tablet
Latvia	IBE Pharma	Gastozym	10k	10G0420LT	Tablet
Lithuania	Berlin Chemie Menarini Baltic	Mezym	10k	8039	Tablet
	Polfa Warszawa	Lippancrea	16k	01MP0619	Capsule
Poland	Polfa Warszawa	Lippancrea	8k	11119	Capsule
	Biofarm SA	Triferment	275mg	12202781	Tablet
Romania	Biofarm SA	Triferment Forte	325mg	1213185	Tablet
	Berlin-Chemie AG	Mezym	25k	02273B	Capsule
UK	Essential Pharmaceuticals Limited	Pancrex V	25k	117292	Powder
	Essential Pharmaceuticals Limited	Pancrex V	8k	118369	Capsule/ powder
	Merck Sereno LTD	Nutrizym	22k	2050883	Capsule

¹Different lipase units are used in different territories however, units are standardized: 1 USP = 1 Ph.Eur. = 1 FIP

Supplementary table 2: Particle count results of Pancreatic Enzyme Products Investigated

Product	Batch	Strength (Lipase) Ph.Eur. Unit	Presentation	Replicate	Total Particle count	Manually Detected Particles/ Fragments
Cotazym	CO247	10.8k	Type III pellets	1	47	4
				2	59	1
				3	55	8
Cotazym E.C.S 20	C1379	25k	Type III Pellets	1	141	0
				2	130	0
				3	143	0
Creon	58899	5k	Type I pellets	1	116	1
				2	136	2
				3	133	4
Creon	59273	10k	Type I pellets	1	289	7
				2	285	1
				3	284	6
Creon	58845	20k	Type I pellets	1	414	7
				2	387	4
				3	402	3
Creon	59546	25k	Type I pellets	1	537	1
				2	558	5
				3	581	3

Creon	61097	35k	Type I Pellets	1	735	0
				2	687	0
				3	860	0
Eurobiol	3	12.5k	Mini-tablets	1	29	1
				2	38	3
				3	35	4
*Eurobiol	21	12.5k	Mini-tablets	1	30	0
Eurobiol	36	40k	Type II pellets	1	110	14
				2	104	17
				3	100	12
Lippancrea	11119	8k	Type II pellets	1	58	5
				2	59	5
				3	66	6
Lippancrea	01MP0619	16k	Type II pellets	1	116	2
				2	118	2
				3	127	0
Mezym	02273B	25k	Mini-tablets	1	56	0
				2	55	0
				3	52	0
Nutrizym	2050883	22k	Mini-tablets	1	43	0
				2	45	0
				3	42	1
Pancrease	201501	21k	Mini-tablets	1	51	1
				2	50	2
				3	46	0

Pancrease MT4	916501	4.2k	Mini-tablets	1	11	0
				2	11	0
				3	11	0
Pancrease MT10	916411	10.5k	Mini-tablets	1	31	1
				2	29	0
				3	34	2
Pancrease MT16	916901	16.8k	Mini-tablets	1	51	0
				2	48	0
				3	51	0
Panc.Mtabs	20AQ22800	25k	Mini-tablets	1	63	12
				2	58	3
				3	74	17

*Only one replicate performed as material is supplied in bottles of 20g and patients use dosing spoons to sample a fixed number of particles.

Supplementary table 3:

Lipase Activity Reported Results in Ph.Eur. Units for Products with a Label Claim in Ph.Eur. Units

Country	Supplier	Product	Label Claim (Lipase) Ph.Eur. Units	Batch	Labelled Lipase Activity (Ph.Eur.) / Dose Unit	Lipase Assay (Ph.Eur.) / Actual Activity per gram	Lipase Assay (Ph.Eur.) / Unit Dose	Lipase% of Label Claim
Canada	BGP Pharma ULC	Creon	5K	58899	5000	52612	5385	107.7
Canada	BGP Pharma ULC	Creon	10K	59273	10000	41806	10421	104.2
Canada	BGP Pharma ULC	Creon	25K	59546	25000	55447	26922	107.7
Canada	Mylan	Creon	35k	61097	35000	53405	37506	107.2
Denmark	OriFarm	Panc.MTABS	25K	20AQ22800	25000	64581	31248	125.0
France	Mayoly Laboratories	Eurobiol	40K	36	40000	90517	44000	110.0
France	Mayoly Laboratories	Eurobiol	12.5K	3	12500	60467	13813	110.5
France	Mayoly Laboratories	Eurobiol	12.5K	21	12500	76278	14718	117.7
Germany	Abbott	Creon	20K	58845	20000	42792	20368	101.8
Latvia	Berlin-Chemie AG (Menarini Group)	Mezym	20K	02028B	20000	49611	23221	116.1
Lithuania	IBE Pharma, UAB, Lietuva	Gastrozym	10K	10G042OLT	10000	25588	8581	85.8

Lithuania	Berlin-Chemie AG (Menarini Group)	Mezym	10K	8039	10000	34903	11814	118.1
Poland	Polfa Warszawa	Lipancrea	8K	11119	8000	NA	8225	102.8
Poland	Polfa Warszawa	Lipancrea	16K	01MP0619	16000	NA	17617	110.1
Romania	Biofarm	Triferment Forte	10K (325 mg)	1213185	10000	22530	17440	174.4
Romania	Biofarm	Triferment	3.7K (275 mg)	12202781	3720	15705	6072	163.2
Romania	Berlin-Chemie AG (Menarini Group)	Mezym	25K	02273B	25000	65392	32061	128.2

Lipase Activity Reported Results in Ph.Eur. Units for Products with a Label Claim in USP Units

Country	Supplier	Product	Label Claim (Lipase) USP Units	Batch	Labelled Lipase Activity (USP) / Dose Unit	Lipase Assay (Ph.Eur.) / Actual Activity per gram	Lipase Assay (Ph.Eur.) / Unit Dose	Lipase % of Label Claim
Canada	Aptalis PharmaCanada ULC	Viokace	10.4K	205019A	10400	28691	13599	130.8

Canada	Merck Canada Inc	CotazymE.C.S-8	10.8K	CO247	10800	70504	14645	135.6
Canada	Vivus Inc	PancreaseMT10	10.5K	916411	10500	62271	13455	128.1
Canada	Vivus Inc	PancreaseMT16	16.8K	916901	16800	57246	21064	125.4
Canada	Vivus Inc	PancreaseMT4	4.2K	916501	4200	58338	4989	118.8
Canada	Merck Canada Inc	Cotazym	10K	CO356	10000	62671	12925	129.2
Canada	Mylan	Creon 35K	35K	61097	35000	53405	37506	107.2
Canada	Organon	Cotazym E.C.S-20	25K	C1379	25000	79376	34128	136.5
Canada	Vivus Inc	Pancrease MT20	21K	201501	21000	77197	27944	133.1
Canada	Nestle Health Science	Viokace	20.9K	215509A	20880	25758	24004	115.0

Lipase Activity Reported Results in Ph.Eur. Units for Products with a Label Claim in BP Units

Country	Supplier	Product	Label Claim (Lipase) BP Units	Batch	Labelled Lipase Activity (BP) / Dose Unit	Lipase Assay (Ph.Eur.) / Actual Activity per gram	Lipase Assay (Ph.Eur.) / Unit Dose	Lipase % of Label Claim
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UK	Essential Pharmaceuticals Limited	Pancrex V	25K	117292	25000	28556	28556	114.2
UK	Essential Pharmaceuticals Limited	Pancrex V	8K	118369	8000	31632	11312	141.4
UK	Zentiva	Nutrizym	22K	2050883	22000	65183	27053	123.0

Lipase Activity Reported Results in Ph.Eur. Units for Products with a Label Claim in FIP Units

Country	Supplier	Product	Label Claim (Lipase) FIP Units	Batch	Labelled Lipase Activity (FIP) / Dose Unit	Lipase Assay (Ph.Eur.) / Actual Activity per gram	Lipase Assay (Ph.Eur.) / Unit Dose	Lipase % of Label Claim
Czech Republic	Sanofi-Aventis	Pancreolan	6K	2200620	6000	21031	10653	177.5

Lipase Activity Reported Results in Ph.Eur. Units for Products with a Label Claim in Unknown Units

Country	Supplier	Product	Strength (Lipase) unknown units	Batch	Labelled Lipase Activity (Unknown) / Dose Unit	Lipase Assay (Ph.Eur.) / Actual Activity per gram	Lipase Assay (Ph.Eur.) / Unit Dose	Lipase % of Label Claim
Hungary	Richter Gedeon Nyrt.	Dipankrin	120 mg	T06587A	N/A ¹	18682	5197	N/A ¹

¹ Product label does not specify units or enzyme activity and so the labelled Lipase Activity per Dose unit or Lipase as % of Label Claim could not be calculated

Supplementary table 4: Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in Ph.Eur. Units

Country	Supplier	Product	Strength (Lipase) Ph.Eur. Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	BGP Pharma ULC	Creon	10K	59273	Mar- 22	1 to 6	0	0	0	0	81	85	78	74
Canada	BGP Pharma ULC	Creon	10K	59273	Mar- 22	4 to 6	0	0	0	0	54	94	90	79
Canada	BGP Pharma ULC	Creon	10K	59273	Mar- 22	5 to 6	0	0	0	0	58	87	81	79
Canada	BGP Pharma ULC	Creon	25K	59546	Jun-22	1 to 6	0	0	0	0	7	75	67	65
Canada	BGP Pharma ULC	Creon	25K	59546	Jun-22	4 to 6	0	0	0	0	77	80	78	68
Canada	BGP Pharma ULC	Creon	25K	59546	Jun-22	5 to 6	0	0	0	0	35	81	76	70
Canada	BGP Pharma ULC	Creon	5K	58899	Nov- 22	1 to 6	0	0	0	0	18	88	86	82
Canada	BGP Pharma ULC	Creon	5K	58899	Nov- 22	4 to 6	0	0	0	0	15	74	80	75
Canada	BGP Pharma ULC	Creon	5K	58899	Nov- 22	5 to 6	0	0	0	0	16	79	80	75
Denmark	OriFarm	Panc.MTABS	25K	20AQ22800	Dec-21	1 to 6	0	0	0	0	75	82	82	75
Denmark	OriFarm	Panc.MTABS	25K	20AQ22800	Dec-21	4 to 6	13	22	19	15	45	43	42	39
Denmark	OriFarm	Panc.MTABS	25K	20AQ22800	Dec-21	5 to 6	32	52	49	46	48	44	43	41

France	Mayoly Laboratories	Eurobiol	40K	36	Jan-23	1 to 6	0	0	0	0	8	74	68	62
France	Mayoly Laboratories	Eurobiol	40K	36	Jan-23	4 to 6	0	3	4	6	28	46	44	43
France	Mayoly Laboratories	Eurobiol	40K	36	Jan-23	5 to 6	10	15	19	46	40	38	33	29
France	Mayoly Laboratories	Eurobiol	12.5K	3	Aug-22	1 to 6	0	0	0	0	71	82	77	73
France	Mayoly Laboratories	Eurobiol	12.5K	3	Aug-22	4 to 6	41	31	32	22	22	21	20	15
France	Mayoly Laboratories	Eurobiol	12.5K	3	Aug-22	5 to 6	60	55	52	44	40	38	35	32
France	Mayoly Laboratories	Eurobiol	12.5K	21	Feb-23	1 to 6	0	0	0	0	3	2	2	2
France	Mayoly Laboratories	Eurobiol	12.5K	21	Feb-23	4 to 6	28	17	11	11	3	6	3	5
France	Mayoly Laboratories	Eurobiol	12.5K	21	Feb-23	5 to 6	81	68	58	48	44	39	33	29
Latvia	Berlin-Chemie AG (Menarini Group)	Mezym	20K	02028B	May-23	1 to 6	0	0	0	0	16	72	88	84
Latvia	Berlin-Chemie AG (Menarini Group)	Mezym	20K	02028B	May-23	4 to 6	2	1	9	23	57	62	60	57
Latvia	Berlin-Chemie AG (Menarini Group)	Mezym	20K	02028B	May-23	5 to 6	13	46	73	77	70	67	59	58
Lithuania	IBE Pharma, UAB, Lietuva	Gastrozym	10K	10G042OLT	Apr-22	1 to 6	0	0	0	0	43	86	82	78
Lithuania	IBE Pharma, UAB, Lietuva	Gastrozym	10K	10G042OLT	Apr-22	4 to 6	6	5	12	20	66	67	63	55
Lithuania	IBE Pharma, UAB, Lietuva	Gastrozym	10K	10G042OLT	Apr-22	5 to 6	4	31	62	70	65	60	57	55

Lithuania	Berlin-Chemie AG (Menarini Group)	Mezym	10K	8039	Jun-23	1 to 6	0	0	0	0	30	80	76	73
Lithuania	Berlin-Chemie AG (Menarini Group)	Mezym	10K	8039	Jun-23	4 to 6	19	57	30	21	14	14	14	12
Lithuania	Berlin-Chemie AG (Menarini Group)	Mezym	10K	8039	Jun-23	5 to 6	66	80	76	72	67	64	59	57
Romania	Biofarm	Triferment Forte	10K (325 mg)	1213185	Jan-24	1 to 6	0	0	0	0	2	35	64	80
Romania	Biofarm	Triferment Forte	10K (325 mg)	1213185	Jan-24	4 to 6	1	2	2	2	26	50	70	80
Romania	Biofarm	Triferment Forte	10K (325 mg)	1213185	Jan-24	5 to 6	0	5	31	44	63	72	79	77
Romania	Biofarm	Triferment	3.7K (275 mg)	12202781	Dec-24	1 to 6	0	0	0	0	2	40	67	72
Romania	Biofarm	Triferment	3.7K (275 mg)	12202781	Dec-24	4 to 6	3	5	10	15	46	64	70	70
Romania	Biofarm	Triferment	3.7K (275 mg)	12202781	Dec-24	5 to 6	5	29	56	72	77	74	73	71
Romania	Berlin-Chemie AG (Menarini Group)	Mezym	25K	02273B	Jun-22	1 to 6	0	0	0	0	71	75	67	65
Romania	Berlin-Chemie AG (Menarini Group)	Mezym	25K	02273B	Jun-22	4 to 6	0	3	6	6	63	67	63	59
Romania	Berlin-Chemie AG (Menarini Group)	Mezym	25K	02273B	Jun-22	5 to 6	32	53	55	53	43	43	41	40

Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in USP Units

Country	Supplier	Product	Strength (Lipase) USP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	Aptalis Pharma Canada ULC	Viokace	10.4K	205019A	Sep-21	1 to 6	0	1	0	0	0	0	0	0
Canada	Aptalis Pharma Canada ULC	Viokace	10.4K	205019A	Sep-21	4 to 6	40	29	20	15	13	13	12	13
Canada	Aptalis Pharma Canada ULC	Viokace	10.4K	205019A	Sep-21	5 to 6	75	77	73	69	66	63	60	58
Canada	Merck Canada Inc	Cotazym E.C.S-8	10.8K	CO247	Aug-21	1 to 6	0	0	0	0	51	83	82	76
Canada	Merck Canada Inc	Cotazym E.C.S-8	10.8K	CO247	Aug-21	4 to 6	0	13	6	9	56	70	72	67
Canada	Merck Canada Inc	Cotazym E.C.S-8	10.8K	CO247	Aug-21	5 to 6	4	10	20	28	67	71	69	60
Canada	Vivus Inc	Pancrease MT10	10.5K	916411	Jun-21	1 to 6	0	0	0	0	8	79	75	67
Canada	Vivus Inc	Pancrease MT10	10.5K	916411	Jun-21	4 to 6	41	24	18	13	12	11	11	10
Canada	Vivus Inc	Pancrease MT10	10.5K	916411	Jun-21	5 to 6	63	49	36	27	30	25	22	21

Country	Supplier	Product	Strength (Lipase) USP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	Vivus Inc	Pancrease MT10	10.5K	916411	Jun-21	5 to 6	76	59	41	35	29	26	27	21
Canada	Vivus Inc	Pancrease MT16	16.8K	916901	Aug-21	1 to 6	0	0	0	0	6	73	65	62
Canada	Vivus Inc	Pancrease MT16	16.8K	916901	Aug-21	4 to 6	51	23	13	9	10	8	8	7
Canada	Vivus Inc	Pancrease MT16	16.8K	916901	Aug-21	5 to 6	54	52	43	36	35	33	30	28
Canada	Vivus Inc	Pancrease MT4	4.2K	916501	Jun-21	1 to 6	0	0	0	0	19	75	75	74
Canada	Vivus Inc	Pancrease MT4	4.2K	916501	Jun-21	4 to 6	14	35	23	15	13	12	12	11
Canada	Vivus Inc	Pancrease MT4	4.2K	916501	Jun-21	5 to 6	62	58	45	39	32	30	27	26
Canada	Merck Canada Inc	Cotazym	10K	CO356	Mar-22	1 to 6	0	0	0	0	0	0	0	0
Canada	Merck Canada Inc	Cotazym	10K	CO356	Mar-22	4 to 6	35	20	15	12	11	9	9	9
Canada	Merck Canada Inc	Cotazym	10K	CO356	Mar-22	5 to 6	55	56	53	56	52	49	50	50

Country	Supplier	Product	Strength (Lipase) USP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	Nestle Health Science	Viokace	20.9K	215509A	Oct-22	1 to 6	0	0	0	0	0	0	0	0
Canada	Nestle Health Science	Viokace	20.9K	215509A	Oct-22	4 to 6	46	34	23	17	13	11	11	11
Canada	Nestle Health Science	Viokace	20.9K	215509A	Oct-22	5 to 6	55	73	73	67	65	64	61	60
Canada	Organon	Cotazym E.C.S-20	25K	C1379	Jan-23	1 to 6	0	0	0	0	18	72	76	71
Canada	Organon	Cotazym E.C.S-20	25K	C1379	Jan-23	4 to 6	0	1	2	4	72	75	73	69
Canada	Organon	Cotazym E.C.S-20	25K	C1379	Jan-23	5 to 6	6	20	27	31	67	66	63	59
Canada	Vivus Inc	Pancrease MT20	21K	201501	Jul-23	1 to 6	0	0	0	0	65	76	76	67
Canada	Vivus Inc	Pancrease MT20	21K	201501	Jul-23	4 to 6	1	0	2	2	71	84	78	74

Country	Supplier	Product	Strength (Lipase) USP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	Vivus Inc	Pancrease MT20	21K	201501	Jul-23	5 to 6	1	10	29	30	61	57	53	48

Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in BP Units

Country	Supplier	Product	Strength (Lipase) BP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
UK	Essential Pharmaceuticals Limited	Pancrex V	25K	117292	May-22	1 to 6	0	0	0	0	0	0	0	0
UK	Essential Pharmaceuticals Limited	Pancrex V	25K	117292	May-22	4 to 6	53	22	14	12	8	9	6	6
UK	Essential Pharmaceuticals Limited	Pancrex V	25K	117292	May-22	5 to 6	82	70	57	55	42	32	36	31
UK	Essential Pharmaceuticals Limited	Pancrex V	8K	118369	May-22	1 to 6	0	0	0	0	0	0	0	0
UK	Essential Pharmaceuticals Limited	Pancrex V	8K	118369	May-22	4 to 6	28	15	12	9	6	5	5	5

UK	Essential Pharmaceuticals Limited	Pancrex V	8K	118369	May-22	5 to 6	67	59	53	46	42	38	33	31
UK	Zentiva	Nutrizym	22K	2050883	Jan-22	1 to 6	0	0	0	0	66	70	69	63
UK	Zentiva	Nutrizym	22K	2050883	Jan-22	4 to 6	4	5	6	5	55	75	67	65
UK	Zentiva	Nutrizym	22K	2050883	Jan-22	5 to 6	12	40	46	45	48	52	48	46

Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in FIP Units

Country	Supplier	Product	Strength (Lipase) FIP Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Czech Republic	Sanofi-Aventis	Pancreolan	6K	2200620	May-22	1 to 6	0	0	0	0	3	45	83	93
Czech Republic	Sanofi-Aventis	Pancreolan	6K	2200620	May-22	4 to 6	5	8	10	6	21	72	90	89
Czech Republic	Sanofi-Aventis	Pancreolan	6K	2200620	May-22	5 to 6	4	5	36	64	82	77	74	71

Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in Unknown Units

Country	Supplier	Product	Strength (Lipase) Unknown Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins

Hungary	Richter Gedeon Nyrt.	Dipankrin	120 mg	T06587A	Jun-22	1 to 6	0	0	0	0	10	78	87	85
Hungary	Richter Gedeon Nyrt.	Dipankrin	120 mg	T06587A	Jun-22	4 to 6	4	10	23	39	50	43	43	41
Hungary	Richter Gedeon Nyrt.	Dipankrin	120 mg	T06587A	Jun-22	5 to 6	6	58	85	85	75	79	74	68

Enzyme Release Kinetics Reported Results in Ph.Eur. Units (Residual Lipase Activity as % of Lipase Activity) for Products with a Label Claim in Ph.Eur. Units

Country	Supplier	Product	Label Claim (Lipase) Ph.Eur. Units	Batch	Expiry	pH Test	Residual Lipase Activity as % of Lipase Activity							
							15 mins	30 mins	45 mins	60 mins	75 mins	90 mins	105 mins	120 mins
Canada	Mylan	Creon MMS 35K	35K	61097	Jun-23	1 to 6	0	0	0	0	21	83	72	78
Canada	Mylan	Creon MMS 35K	35K	61097	Jun-23	4 to 6	0	0	0	0	18	84	81	74
Canada	Mylan	Creon MMS 35K	35K	61097	Jun-23	5 to 6	1	1	3	4	23	86	83	80
Germany	Abbott	Creon	20K	58845	Dec-21	1 to 6	0	0	0	0	15	85	82	80
Germany	Abbott	Creon	20K	58845	Dec-21	4 to 6	2	3	2	3	63	88	86	82

Germany	Abbott	Creon	20K	58845	Dec-21	5 to 6	1	3	2	2	30	88	77	73
Poland	Polfa Warszawa	Lippancrea	8K	11119	Nov-21	1 to 6	0	0	0	0	7	33	56	74
Poland	Polfa Warszawa	Lippancrea	8K	11119	Nov-21	4 to 6	1	3	5	6	21	56	65	68
Poland	Polfa Warszawa	Lippancrea	8K	11119	Nov-21	5 to 6	7	27	36	41	49	57	56	56
Poland	Polfa Warszawa	Lippancrea	16K	01MP06 19	Oct-20	1 to 6	0	0	0	0	6	39	57	65
Poland	Polfa Warszawa	Lippancrea	16K	01MP06 19	Oct-20	4 to 6	1	1	1	1	9	27	50	56
Poland	Polfa Warszawa	Lippancrea	16K	01MP06 19	Oct-20	5 to 6	1	6	16	21	25	37	42	48