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Office of Laboratories and Scientific Services

Operations: F	IPLC Manual
Procedure	HPLC - 01 - General HPLC - WORKSHEET
Written	\$22
Authorised	s22
Date issued	27/6/2014
Revision #	6

HPLC - 01 - General HPLC - WORKSHEET

TEST DETAILS				
TEST NAME	Size-exclusion	chromatogra	phy	
METHOD REFERENCE	HPLC-10-IgG SE	-HPLC - SOF		1
METHOD MODIFICATIONS (if any)	NA			
MODIFICATIONS APPROVED BY:		à		
NAME OF ANALYST	s22		TEST DATE	07 1 02 1 2017

BUFFERS AND SOLUTIONS	
SOLUTIONS	BATCH No:
MOBILE PHASE A	MB07Feb2017-1
MOBILE PHASE B	NA
SAMPLE DILUENT	Sodium chloride solution 0.99. MBOFFebror
	*

Record Details
Last Editor
Print Date

PIPETTES USED AND EXPIRY DA		1 1 10 1	Commence of the commence of th
5643 200-1000 pt Exp: 27 Apr2017	32524	Inst-10ml	Exp: 21 Apr 2017
32678 20-200 nd Exp: 07/05/2017			
5648 40-200ML Exp: 16/Apr/2017			

NAME AND CODE		BATC	H NO:	
DOM, European Pharmacopeia Commission - Human				
Immunoglobulin	BRP	Batch	1.2	New Wridge
	+			

Reconstituted the whole centent vial (Human 2mmunoglobulin), with 7.0mm of ultra pure 4,0. heave at room temp for at least 2 hours. The finial concentration is 100 mg/ml IgG. From 100 mg/ml sto further white to 40 mg/ml: 200 ml af Ref Stal [100 mg/ml] + 300 ml af 0.9% sodium chloride solution = Jajection volume = Jajection volume = Normality study: Using old Ref. stal that algorit on 02/04/2014 with Concentration 100 mg/ml. (NIFI - 1A) Human Ig (molecular six. 1) BRP Batch 1.2 300 ml af Old Ref Stal [100 mg/ml] + 300 ml af 0.4% sodium chloride solution = 40 p 2 mjection vilume = 10 ml	
of WHra pure HsO. heave at room temp for at least 2 hours. The finial concentration is 100 mg/ml IgG. From 100 mg/ml of further childre to 40 mg/ml: 200 ml of Ref Std [100 mg/ml] + 300 ml of 0.9% sodium chloride solution = Injection volume = Ver stability study: Using old Ref. Std Hat aligned on 02/09/2014 with Concentration 100 mg/ml. (VLF1-1A)	
concentration is 100 mg/ml IgG. som 100 mg/ml to further clilute to 40 mg/ml: 200 ml af Ref Std [100 mg/ml] + 300 ml af 0.9% sodium chloride solution = Injection volume = Injection volume = 100 mg/ml (VLF 1 - 1A)	100 -11000
om 100 mg/ml sto further dilute to 40 mg/ml: 200 ul of Ref Stol [100 mg/ml] + 300 ul of 0.9% sodium chloride solution = Injection volume = stability study: Using old Ref. Stol that alignet on 02/19/2014 with Concentration 100 mg/ml. (ULF 1 - 1A)	
200 pch of Ref Std [100 mg/ml] + 300 pch of 0.9% sodium chloriole solution = Injection volume = Stability study: Using old Ref. Std that alignet on 02/09/2014 with Concentration 100 mg/ml. (ULF 1 - 1A)	
stability study: Using old Ref. Std that alignet on 02/09/2014 with Concentration 100 mg/mt. (ULFI-1A)	solution = 4
stability study: Using old Ref. Std that alignet on 02/09/2014 with Concentration 100 mg/mt. (ULFI-1A)	ion volume = 1
stability study: Using old Ref. Stat that aligned on 02/09/2014 with Concentration 100 mg/mt. (ULF 1 - 1A) Human Ig (molecular st. 1) BRP Batch 1.2 alq: 02/09/1 - 300 ul 200 ul of Old Ref Stat I100 mg/ml.] + 300 ml of 0.9% sodium chloride solution = 400	1
lution: Batch 1.2 alq: 02/09 i -300 uL 200 pc of Old Ref Std I100 mg/mb] +300 pc of 0.9% sodium chloride solution = 400	Concentration
200 pt of Old Ref old Iscongland] +300 pt of 0.9% sodium chloride solution = 400	
	solution = 40 mg
Injection volume = 10 ml	lume = 10 ml.
\checkmark	V

PARAMETERS	LIMITS	RESULTS	COMMENTS
e relative retention time of the din	ner	mean @ start = 0.84	Pass
at to the monomer peak of the refer	rence SAT(1)(b)	mean a End	Pass /
at to the monomer peak of the reference		= 0.84	
		Mean all inj = 0. Start 0.10	Pass Pass
The h RSO of the peak area for the mone eak of the ref. preparation from triplicate	s47(1)(b)		
victor of the of I I I'm inference		End = 0-12	Pass
gection at the start and at the end, brack.	ng	A11 = 0.571	Pass
he relative retention time of the din	ner	16100035950 M	=1.00 D=1.001
nd monomer peak of the sample, rela	tive \$47(1)(b)	1610003596 FT	=1.00 D=1.00V
nd monomer peak of the sample, rela the corresponding peaks of the ref- reparation should be (For IgG only)		1610003546 FT 1610003597 FM	=100 D=1.00
reformation should be (for 196 any)		16/0003610 M	=1.00 D=1.00
			= 1.00 D = 1.00V
		100	=0-999 D=1-00
		1610003683 M	=0.999 B=1.00
he lo RSD of the peak area for the consiner peak of the sample from try inctions should be (for both Igh & album	-17/1/4	1610003595 =	
onomer peak of the sample from try	plicate SAI(1)(B)	1610003596 = 0	
retions should be (for both Igh & album	nin)	1610003610 = 1	
		1610003684 -	() ()
		1610003685 =	
		1610003682 =	
		1610003683 =	0.8/
*			

SAMPLE DETAILS	S CSI Normal Immi	noglobulin VF	54 -	
SAMPLE NAME	Normal Immunoglobs	ulid Vf (Human)	800 mg/5ml	direction
LIMS No:	1610003685			HI SE
BATCH No:	3620050074	EXPIRY:	20/05/20	17

BATCH No: 362005		50074	EXPIRY:	20/05/20	77.
SAMPLE DIL	UTIONS, CAL	CULATIONS at	nd DATA	ř.	
Initial Conc.	Vol. sample	Vol. diluent	Final Conc.	DF	Inj. Vol.
(160 mg/ml) 800 mg/5ml	200 pl monomer = 27.6 dimer = 23.208	600 ml	40 mg/mL	4	10 mL
atio: monomer	$\frac{27.676}{27.660} = 1.00$ $\frac{27.676}{27.660} = 1.00$ $\frac{3.231}{3.208} = 1.00$				
		DATA LOCA	TIONS		
Hard copies of Eattached?	mpower reports	YES / NO	Data location in	TRIM D/	7-101835

PARAMETERS	LIMITS	RESULTS	COMMENTS
Aggregates	s47(1)(b)	4.40 %	Pass
Ig & monomer + dimer	s47(1)(b)	95.60 %, 1	Pass
Fragments	s47(1)(b)	Not obtected 1	
	,		

SAMPLE RESU	JLTS:	PASS	□ FAII	L	×
Signature of anal	\$22		. 9	Date: 08 / 0.2 / 20	17
Checked by:	SZZ	••••	Date:	16 102 12017	
Entered in LIMS	by:. \$22	***************************************	. Date:	09 102 12017.	
Record Details	R14 846701 HPLC	- 01 - General HPLC - WORKSHEE	Т		-

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2/02/2017 11:07 AM

Edit Date

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Australian Government

Department of Health

Therapeutic Goods Administration

Office of Laboratories and Scientific Services

Operations	Biochemistry – Forms
Procedure	Forms - Reagent Preparation Record
Written	s22
Authorised	\$22
Date issued	20/06/2014
Revision #	3

Reagent Name: Igh Mobile phase (SE) =						Final Volume: 2 ^L			
Prepared by:	Date: 07/02/2017		Expiry Date: 21/02/2017		Batch #: eg. LB010CT09-		Storage Temperature:		
Component		Manufacturer		Batch #	Required Amount	Measured Amount	Balance / Pipette LIMS #	Final Conc (%, mM, etc)	
Sodium phosphate dibasic di hydrate Sodium phosphate		SIGMA - Alchich		SZB92520	9.7469	9:746 g	32126	0.05M	
monobasic monohydrate		SLBD7295V		Sigma-Aldrich	3-482g	3.483 g	Ey:	0.03M	
Redium Chloride WHEN pure HAD		Merck		K45393104412	23.37kg 2 L	23.3769	vol. finsk.	0-4M	
pH ustment	Target pH: Initial pH: HCI / HNO ₃ / H ₂ SO ₄ / H ₃ PO ₄ Final pH: pH Electrode LIMS#: (circle N/A NaOH / KOH / Other: N/A 8165 / 32109 N/A					Contract of the Contract of th			
Filtration (circle):	None	0.45µm		0.2µm	Other:				
Other Comments:									
		Attach	В	alance F	001:N + 002:N + 003:N + 007-Feb-20	9.745 0 3.423 0 4 23.376 9 17 08: 15:2	.5		

Record Details Last Editor Print Date R14 814225 Forms - Reagent Preparation Record(3)

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Australian Government

Department of Health

Therapeutic Goods Administration

Office of Laboratories and Scientific Services

Operations	Biochemistry – Forms					
Procedure	Forms – Reagent Preparation Record					
Written	s22					
Authorised	\$22					
Date issued	20/06/2014					
Revision #	3					

Reagent Name	Sodium C	Final Volume: 100 mL						
Prepared by:	Date: 07/02/2017		xpiry Date:	Batch #: eg. LB01OCT09-1 MB07Fcb2017-2		Storage Temperature:		
Component		Manufacturer	Batch #	Required Amount	Measured Amount	Balance / Pipette LIMS #	Final Conc (%, mM, etc)	
Sodium Chil	riole	Merck	K45393104412	0.99	0.901g.	32/26	0.9%	
Ultra pure H		-	- A	9.5 to 100ml	as to 100ml	vol- Hask		
/			N.	1	¥ .			
						/		
			1					
			1					
					/			
pH	Target pH: Initial pH: HCI / HNO ₃ / H ₂ SO ₄ / H ₃ PO ₄ Final pH: pH Electrode LIMS#: (circle N/A NaOH / KOH / Other: N/A 8165 / 32109 N/A							
Filtration (circle):	None	0.45µm	0.2μm	Other:				
Other Comments:								
Attach Balance F 07-Feb-2017 11:41:07								

Record Details Last Editor Print Date R14 814225 Forms - Reagent Preparation Record(3)

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