

# Certificate of Analysis



Material	Description	Usage Decision			Usage Decision Date	
30000001020	DRAXIMAGE MAA Kit AU (10 vials)	<b>Accepted (OK)</b>			09/01/2023	
Insp. Lot	Insp. Plan	Versio	Batch	Bulk Batch	Manuf. Date	Exp. Date
10000564391	90003372	3	3F630		02/15/2023	06/2025

## Inspection Results

Characteristic		Insp. Method	Specification	Result
1	Description	10019	A white freeze-dried plug or powder, clean and free of foreign matter. The flip-off cap is blue. Vendor item number: Not applicable	Conforms
2	Resuspendability	10079	A white suspension which may separate on standing.	Conforms
3	pH	10005	5.2 .. 6.0	5.5
4	Loss on Drying	10021	<= 5 %	2 %
5	Particle Density	10088	3x10E+06 - 8x10E+06 aggregated albumin particles in each vial	Conforms 7x106 part/vial
6	Particle Size < 10 µm	10080	<= 10 %	3 %
7	Particle Size >= 10 µm - <= 70 µm	10080	>= 90 %	97 %
8	Particle Size > 100 µm	10080	<= 0.2 %	< 0.1 %
9	Particle Size > 150 µm	10080	None	Conforms
10	Identification MAA	10000	A blue color develops.	Conforms
11	Sterility	10007	Sterile	Conforms CoA Manufacturer
12	Assay - Stannous Chloride	10039	>= 0.06 mg/vial	0.11 mg/vial
13	Stannous Albumin Macro Aggregate Complex	10082	2.2 .. 3.0 mg/vial	2.5 mg/vial
14	Human Serum Albumin	10068	(or alternative method 10089) 3.5 .. 6.5 mg/vial	5.2 mg/vial
15	Sodium Chloride	10084	0.96 .. 1.44 mg/vial	1.32 mg/vial
16	Residual Solvents	USP<467>	Meets USP requirements (no test required).	Conforms Testing not required

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Inspection Results				
Characteristic	Insp.Method	Specification	Result	
17	Bacterial Endotoxins	10008	<= 16.5 EU/Vial	< 4.0 EU/Vial
18	Biological Distribution - Lungs 15-30min	10044	In not less than 2 of 3 animals, at 15 - 30 minutes post labeling, not less than 80% of the radioactivity is found in the lungs of the animal at 15 minutes post injection. >= 80 %	92 % 2)79.73% 3)93.40%
19	Biological Distribution - Liver 15-30min	10044	In not less than 2 of 3 animals, at 15 - 30 minutes post labeling, not more than a total of 5% of the radioactivity is found in the liver of the animal at 15 minutes post injection. <= 5 %	1 % 2)1.17% 3)0.99%
20	Biological Distribution - Kidneys 15-30min	10044	In not less than 2 of 3 animals, at 15 - 30 minutes post labeling, not more than 5% of the radioactivity is found in the kidneys of the animal at 15 minutes post injection. <= 5 %	1 % 2)0.80% 3)0.79%
21	Biological Distribution - Lungs 12-24hrs	10044	In not less than 2 of 3 animals, at 12 - 24 hours post labeling, not less than 80% of the radioactivity is found in the lungs of the animal at 15 minutes post injection. >= 80 %	80 % 2)93.93% 3)98.08%
22	Biological Distribution - Liver 12-24hrs	10044	In not less than 2 of 3 animals, at 12 - 24 hours post labeling, not more than a total of 5% of the radioactivity is found in the liver of the animal at 15 minutes post injection. <= 5 %	1 % 2)0.90% 3)0.91%
23	Biological Distribution -Kidneys 12-24hr	10044	In not less than 2 of 3 animals, at 12 - 24 hours post labeling, not more than 5% of the radioactivity is found in the kidneys of the animal at 15 minutes post injection. <= 5 %	1 % 2)0.60% 3)0.57%

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Inspection Results				
Characteristic	Insp. Method	Specification	Result	
24	Radiochemical Purity 15-30 min (US-AU)	10043	Not less than 90% of the total radioactivity is found as aggregated albumin at the point of application, at 15 - 30 minutes post labeling. >= 90 %	100 % conforme
25	Radiochemical Purity at least 12 hrs	10043	Not less than 90% of the total radioactivity is found as aggregated albumin at the point of application, at least 12 hours post labeling. >= 90 %	100 % conforme
26	Centrifugation 15 - 30 min (US-AU)	10087	Not more than 10% of the total radioactivity is found in the supernatant liquid, at 15 - 30 minutes post labeling. <= 10 %	3 % conforme
27	Centrifugation Procedure at least 12 hrs	10087	Not more than 10% of the total radioactivity is found in the supernatant liquid, at least 12 hours post labeling. <= 10 %	2 % conforme
28	Assay - Total Tin	10357	of SnCl <sub>2</sub> .2H <sub>2</sub> O <= 0.12 mg/vial	0.12 mg/vial Actlabs: A23-09690-3

Usage Decision performed by: SASHRAFI Date: 09/01/2023

This batch of product has been tested by Jubilant DraxImage Inc., dba Jubilant Radiopharma Quality Control Laboratory under Canadian Establishment License Number 101869-A and complies with the specification requirements.