

**GENTECH<sup>®</sup> ELUTION PROFILES**  
**+/- 10% of the activity shown**

**MONDAY CALIBRATION**

SIZE GBq	Fri	Sat	Sun	Mon(Cal)	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
<b>20</b>	33.91	26.36	20.49	<b>15.92</b>	12.37	9.62	7.47	5.81	4.51	3.51	2.73	2.12	1.65	1.28	1.00
<b>30</b>	50.87	39.54	30.73	<b>23.88</b>	18.56	14.43	11.21	8.71	6.77	5.26	4.09	3.18	2.47	1.92	1.49
<b>40</b>	67.83	52.72	40.97	<b>31.84</b>	24.75	19.23	14.95	11.62	9.03	7.02	5.45	4.24	3.29	2.56	1.99
<b>50</b>	84.78	65.89	51.21	<b>39.80</b>	30.93	24.04	18.68	14.52	11.29	8.77	6.82	5.30	4.12	3.20	2.49
<b>60</b>	101.74	79.07	61.46	<b>47.76</b>	37.12	28.85	22.42	17.43	13.54	10.53	8.18	6.36	4.94	3.84	2.99
<b>80</b>	135.65	105.43	81.94	<b>63.68</b>	49.50	38.47	29.90	23.24	18.06	14.04	10.91	8.48	6.59	5.12	3.98
<b>100</b>	169.57	131.79	102.43	<b>79.61</b>	61.87	48.08	37.37	29.05	22.57	17.54	13.64	10.60	8.24	6.40	4.98
<b>120</b>	203.48	158.15	122.91	<b>95.53</b>	74.24	57.70	44.85	34.85	27.09	21.05	16.36	12.72	9.88	7.68	5.97

**THURSDAY CALIBRATION**

SIZE GBq	Wed	Thu(Cal)	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
<b>20</b>	20.49	<b>15.92</b>	12.37	9.62	7.47	5.81	4.51	3.51	2.73	2.12	1.65	1.28	1.00	0.77	0.60
<b>30</b>	30.73	<b>23.88</b>	18.56	14.43	11.21	8.71	6.77	5.26	4.09	3.18	2.47	1.92	1.49	1.16	0.90
<b>40</b>	40.97	<b>31.84</b>	24.75	19.23	14.95	11.62	9.03	7.02	5.45	4.24	3.29	2.56	1.99	1.55	1.20
<b>50</b>	51.21	<b>39.80</b>	30.93	24.04	18.68	14.52	11.29	8.77	6.82	5.30	4.12	3.20	2.49	1.93	1.50
<b>60</b>	61.46	<b>47.76</b>	37.12	28.85	22.42	17.43	13.54	10.53	8.18	6.36	4.94	3.84	2.99	2.32	1.80
<b>80</b>	81.94	<b>63.68</b>	49.50	38.47	29.90	23.24	18.06	14.04	10.91	8.48	6.59	5.12	3.98	3.09	2.40
<b>100</b>	102.43	<b>79.61</b>	61.87	48.08	37.37	29.05	22.57	17.54	13.64	10.60	8.24	6.40	4.98	3.87	3.01
<b>120</b>	122.92	<b>95.53</b>	74.25	57.70	44.85	34.86	27.09	21.05	16.36	12.72	9.88	7.68	5.97	4.64	3.61

Generator sizes are Mo-<sup>99</sup> in GBq @ 09.00am Sydney Time Calibration

**Yields of <sup>99m</sup>Tc in GBq are calculated:**

At 24 hours growth: 0.8845

Technetium-99 to Molybdenum Ratio : 0.8845

Operating Efficiency: 90%