

Suppl.Table 2 Sensitivity Analysis

Incremental
Cost-
Effectiveness
Ratio (ICER)

2a		Incremental		Incremental		Cost / Eff	ICER
IGRA	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.9	IGRA+TST	£81.59	£0.00	19.07438	0	4.27738	£0
0.91	IGRA+TST	£80.95	£0.00	19.07455	0	4.24394	£0
0.92	IGRA+TST	£80.32	£0.00	19.07471	0	4.21058	£0
0.93	IGRA+TST	£79.68	£0.00	19.07487	0	4.17734	£0
0.94	IGRA+TST	£79.05	£0.00	19.07504	0	4.14427	£0
0.95	IGRA+TST	£78.43	£0.00	19.0752	0	4.11142	£0
0.96	IGRA+TST	£77.81	£0.00	19.07536	0	4.07888	£0
0.97	IGRA+TST	£77.19	£0.00	19.07553	0	4.04679	£0
0.98	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.99	IGRA+TST	£76.02	£0.00	19.07585	0	3.9851	£0
0.9	IGRA	£165.39	£83.81	19.07583	0.00144	8.67038	£58,089
0.91	IGRA	£157.13	£76.17	19.07599	0.00145	8.23685	£52,664
0.92	IGRA	£148.86	£68.55	19.07616	0.00145	7.80356	£47,281
0.93	IGRA	£140.60	£60.92	19.07633	0.00145	7.3706	£41,939
0.94	IGRA	£132.35	£53.30	19.07649	0.00145	6.93805	£36,634
0.95	IGRA	£124.11	£45.69	19.07666	0.00146	6.50607	£31,365
0.96	IGRA	£115.89	£38.08	19.07682	0.00146	6.07488	£26,131
0.97	IGRA	£107.69	£30.49	19.07698	0.00146	5.64485	£20,929
0.98	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.99	IGRA	£91.41	£15.39	19.0773	0.00145	4.79137	£10,614
2b		Incremental		Incremental		Cost / Eff	ICER
IGRA	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.82	IGRA+TST	£74.34	£0.00	19.07568	0	3.89697	£0
0.84	IGRA+TST	£74.84	£0.00	19.07568	0	3.92327	£0
0.86	IGRA+TST	£75.34	£0.00	19.07568	0	3.94958	£0
0.87	IGRA+TST	£75.84	£0.00	19.07569	0	3.97589	£0
0.89	IGRA+TST	£76.35	£0.00	19.07569	0	4.00222	£0
0.91	IGRA+TST	£76.85	£0.00	19.07569	0	4.02856	£0
0.93	IGRA+TST	£77.35	£0.00	19.07569	0	4.05492	£0
0.94	IGRA+TST	£77.85	£0.00	19.07569	0	4.08128	£0
0.96	IGRA+TST	£78.36	£0.00	19.07569	0	4.10766	£0
0.98	IGRA+TST	£78.86	£0.00	19.07569	0	4.13405	£0
0.82	IGRA	£98.19	£23.86	19.07679	0.0011	5.14723	£21,589
0.84	IGRA	£98.49	£23.65	19.07687	0.00118	5.16266	£19,999
0.86	IGRA	£98.78	£23.44	19.07694	0.00126	5.17808	£18,602
0.87	IGRA	£99.08	£23.23	19.07702	0.00134	5.1935	£17,366
0.89	IGRA	£99.37	£23.03	19.0771	0.00142	5.2089	£16,264
0.91	IGRA	£99.66	£22.82	19.07718	0.00149	5.2243	£15,276
0.93	IGRA	£99.96	£22.61	19.07726	0.00157	5.23969	£14,384
0.94	IGRA	£100.25	£22.40	19.07734	0.00165	5.25508	£13,576
0.96	IGRA	£100.55	£22.19	19.07742	0.00173	5.27046	£12,840
0.98	IGRA	£100.84	£21.98	19.07749	0.00181	5.28583	£12,166

Suppl.Table 3
3a

Deaths, All causes	Strategy	Incremental		Incremental		Cost / Eff	ICER
		Cost	Cost	Effectiveness	Effectiveness		
0.0045	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.009	IGRA+TST	£76.17	£0.00	18.20799	0	4.18356	£0
0.0135	IGRA+TST	£75.77	£0.00	17.38801	0	4.3577	£0
0.018	IGRA+TST	£75.39	£0.00	16.61293	0	4.5379	£0
0.0225	IGRA+TST	£75.02	£0.00	15.88011	0	4.72424	£0
0.027	IGRA+TST	£74.67	£0.00	15.18706	0	4.9168	£0
0.0315	IGRA+TST	£74.34	£0.00	14.53146	0	5.11565	£0
0.036	IGRA+TST	£74.02	£0.00	13.91111	0	5.32085	£0
0.0405	IGRA+TST	£73.71	£0.00	13.32393	0	5.53247	£0
0.045	IGRA+TST	£73.42	£0.00	12.768	0	5.75055	£0
0.0045	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.009	IGRA	£99.23	£23.05	18.20939	0.00139	5.44929	£16,544
0.0135	IGRA	£98.95	£23.18	17.38935	0.00134	5.69038	£17,357
0.018	IGRA	£98.69	£23.30	16.61421	0.00128	5.93999	£18,197
0.0225	IGRA	£98.44	£23.42	15.88134	0.00123	6.19826	£19,063
0.027	IGRA	£98.20	£23.52	15.18824	0.00118	6.46529	£19,955
0.0315	IGRA	£97.97	£23.63	14.53259	0.00113	6.74119	£20,874
0.036	IGRA	£97.75	£23.73	13.91219	0.00109	7.02605	£21,820
0.0405	IGRA	£97.54	£23.82	13.32498	0.00105	7.31996	£22,792
0.045	IGRA	£97.34	£23.92	12.769	0.00101	7.623	£23,791

TB Deaths	Strategy	Incremental		Incremental		Cost / Eff	ICER
		Cost	Cost	Effectiveness	Effectiveness		
0.018	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.036	IGRA+TST	£76.58	£0.00	19.07496	0	4.01486	£0
0.054	IGRA+TST	£76.57	£0.00	19.07423	0	4.01433	£0
0.072	IGRA+TST	£76.56	£0.00	19.07351	0	4.01381	£0
0.09	IGRA+TST	£76.54	£0.00	19.07278	0	4.01328	£0
0.108	IGRA+TST	£76.53	£0.00	19.07206	0	4.01275	£0
0.126	IGRA+TST	£76.52	£0.00	19.07134	0	4.01223	£0
0.144	IGRA+TST	£76.51	£0.00	19.07062	0	4.0117	£0
0.162	IGRA+TST	£76.49	£0.00	19.0699	0	4.01118	£0
0.18	IGRA+TST	£76.48	£0.00	19.06918	0	4.01066	£0
0.018	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.036	IGRA	£99.51	£22.92	19.0766	0.00164	5.21625	£13,995
0.054	IGRA	£99.50	£22.93	19.07605	0.00182	5.21589	£12,591
0.072	IGRA	£99.49	£22.93	19.07551	0.002	5.21554	£11,444
0.09	IGRA	£99.48	£22.94	19.07497	0.00219	5.21519	£10,491
0.108	IGRA	£99.47	£22.94	19.07443	0.00237	5.21483	£9,686
0.126	IGRA	£99.46	£22.94	19.07389	0.00255	5.21448	£8,997
0.144	IGRA	£99.45	£22.95	19.07335	0.00273	5.21413	£8,401
0.162	IGRA	£99.44	£22.95	19.07281	0.00291	5.21378	£7,880
0.18	IGRA	£99.43	£22.95	19.07227	0.00309	5.21343	£7,420

3c

Prevalence LTBI	Strategy	Incremental		Incremental		Cost / Eff	ICER
		Cost	Cost	Effectiveness	Effectiveness		
0.035	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.07	IGRA+TST	£116.83	£0.00	19.07038	0	6.12618	£0
0.105	IGRA+TST	£156.98	£0.00	19.06508	0	8.234	£0
0.14	IGRA+TST	£197.08	£0.00	19.0598	0	10.34018	£0
0.175	IGRA+TST	£237.13	£0.00	19.05454	0	12.44492	£0
0.21	IGRA+TST	£277.13	£2.03	19.0493	-0.00873	14.54813	-£233
0.245	IGRA+TST	£317.08	£6.91	19.04407	-0.01014	16.64955	-£682
0.28	IGRA+TST	£356.96	£11.74	19.03887	-0.01152	18.74887	-£1,019
0.315	IGRA+TST	£396.77	£16.49	19.0337	-0.01288	20.84569	-£1,281
0.35	IGRA+TST	£436.51	£21.17	19.02855	-0.01421	22.9395	-£1,490
0.035	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.07	IGRA	£134.75	£17.92	19.07331	0.00293	7.06496	£6,111
0.105	IGRA	£169.88	£12.89	19.06949	0.0044	8.9083	£2,928
0.14	IGRA	£204.96	£7.88	19.06567	0.00586	10.75046	£1,345
0.175	IGRA	£240.04	£2.90	19.06185	0.00731	12.59253	£398
0.21	IGRA	£275.10	£0.00	19.05803	0	14.43492	£0
0.245	IGRA	£310.16	£0.00	19.05421	0	16.27784	£0
0.28	IGRA	£345.22	£0.00	19.05039	0	18.1214	£0
0.315	IGRA	£380.28	£0.00	19.04658	0	19.96564	£0
0.35	IGRA	£415.33	£0.00	19.04276	0	21.8106	£0

3d

Prevalence TB	Strategy	Incremental		Incremental		Cost / Eff	ICER
		Cost	Cost	Effectiveness	Effectiveness		
1.00E-04	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
2.00E-04	IGRA+TST	£77.10	£0.00	19.07565	0	4.04193	£0
3.00E-04	IGRA+TST	£77.61	£0.00	19.07561	0	4.06839	£0
4.00E-04	IGRA+TST	£78.11	£0.00	19.07557	0	4.09478	£0
5.00E-04	IGRA+TST	£78.61	£0.00	19.07553	0	4.1211	£0
6.00E-04	IGRA+TST	£79.11	£0.00	19.07549	0	4.14735	£0
7.00E-04	IGRA+TST	£79.61	£0.00	19.07545	0	4.17353	£0
8.00E-04	IGRA+TST	£80.11	£0.00	19.07541	0	4.19964	£0
9.00E-04	IGRA+TST	£80.61	£0.00	19.07537	0	4.22568	£0
0.001	IGRA+TST	£81.10	£0.00	19.07533	0	4.25165	£0
1.00E-04	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
2.00E-04	IGRA	£100.45	£23.35	19.07706	0.00141	5.26539	£16,529
3.00E-04	IGRA	£101.38	£23.77	19.07698	0.00137	5.31406	£17,347
4.00E-04	IGRA	£102.30	£24.19	19.07689	0.00133	5.36263	£18,216
5.00E-04	IGRA	£103.23	£24.61	19.07681	0.00129	5.4111	£19,139
6.00E-04	IGRA	£104.15	£25.04	19.07673	0.00124	5.45945	£20,123
7.00E-04	IGRA	£105.07	£25.46	19.07665	0.0012	5.5077	£21,174
8.00E-04	IGRA	£105.99	£25.88	19.07657	0.00116	5.55585	£22,299
9.00E-04	IGRA	£106.90	£26.30	19.07649	0.00112	5.6039	£23,505
0.001	IGRA	£107.82	£26.72	19.07641	0.00108	5.65184	£24,802

Health Economic Models Inform Screening for Tuberculosis

3e		Incremental		Incremental		Cost / Eff	ICER
Relapse Rate	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.0315	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.063	IGRA+TST	£77.72	£0.00	19.07525	0	4.07427	£0
0.0945	IGRA+TST	£78.96	£0.00	19.07476	0	4.13933	£0
0.126	IGRA+TST	£80.33	£0.00	19.07422	0	4.21123	£0
0.1575	IGRA+TST	£81.84	£0.00	19.07361	0	4.29067	£0
0.189	IGRA+TST	£83.51	£0.00	19.07294	0	4.37835	£0
0.2205	IGRA+TST	£85.35	£0.00	19.07219	0	4.475	£0
0.252	IGRA+TST	£87.37	£0.00	19.07136	0	4.58127	£0
0.2835	IGRA+TST	£89.59	£0.00	19.07045	0	4.69774	£0
0.315	IGRA+TST	£92.01	£0.00	19.06944	0	4.82489	£0
0.0315	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.063	IGRA	£100.35	£22.63	19.07682	0.00158	5.2601	£14,365
0.0945	IGRA	£101.26	£22.31	19.07647	0.00171	5.30821	£13,052
0.126	IGRA	£102.28	£21.95	19.07607	0.00186	5.36143	£11,819
0.1575	IGRA	£103.40	£21.56	19.07563	0.00202	5.4203	£10,664
0.189	IGRA	£104.63	£21.13	19.07514	0.0022	5.48537	£9,587
0.2205	IGRA	£106.00	£20.65	19.07459	0.0024	5.5572	£8,589
0.252	IGRA	£107.51	£20.14	19.07399	0.00263	5.63633	£7,668
0.2835	IGRA	£109.16	£19.57	19.07332	0.00287	5.72324	£6,823
0.315	IGRA	£110.97	£18.96	19.07258	0.00313	5.81832	£6,051

3f		Incremental		Incremental		Cost / Eff	ICER
Hepatitis rate	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.0177	IGRA+TST	£76.60	£0.00	19.07569	0	4.01539	£0
0.0354	IGRA+TST	£77.23	£0.00	19.07476	0	4.04875	£0
0.0531	IGRA+TST	£77.86	£0.00	19.07383	0	4.08211	£0
0.0708	IGRA+TST	£78.49	£0.00	19.0729	0	4.11548	£0
0.0885	IGRA+TST	£79.13	£0.00	19.07197	0	4.14884	£0
0.1062	IGRA+TST	£79.76	£0.00	19.07105	0	4.18221	£0
0.1239	IGRA+TST	£80.39	£0.00	19.07012	0	4.21559	£0
0.1416	IGRA+TST	£81.02	£0.00	19.06919	0	4.24896	£0
0.1593	IGRA+TST	£81.66	£0.00	19.06826	0	4.28234	£0
0.177	IGRA+TST	£82.29	£0.00	19.06733	0	4.31573	£0
0.0177	IGRA	£99.52	£22.92	19.07714	0.00145	5.2166	£15,757
0.0354	IGRA	£100.15	£22.92	19.07622	0.00146	5.24994	£15,733
0.0531	IGRA	£100.78	£22.92	19.07529	0.00146	5.28328	£15,709
0.0708	IGRA	£101.41	£22.92	19.07436	0.00146	5.31663	£15,685
0.0885	IGRA	£102.04	£22.92	19.07344	0.00146	5.34997	£15,662
0.1062	IGRA	£102.67	£22.91	19.07251	0.00147	5.38332	£15,638
0.1239	IGRA	£103.30	£22.91	19.07159	0.00147	5.41668	£15,615
0.1416	IGRA	£103.94	£22.91	19.07066	0.00147	5.45004	£15,591
0.1593	IGRA	£104.57	£22.91	19.06973	0.00147	5.4834	£15,568
0.177	IGRA	£105.20	£22.91	19.06881	0.00147	5.51676	£15,545

Health Economic Models Inform Screening for Tuberculosis

3g		Incremental		Incremental		Cost / Eff	ICER
Repeat Rate	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.015	IGRA+TST	£75.98	£0.00	19.07569	0	3.98287	£0
0.03	IGRA+TST	£76.46	£0.00	19.07569	0	4.00814	£0
0.045	IGRA+TST	£76.94	£0.00	19.07569	0	4.03344	£0
0.06	IGRA+TST	£77.42	£0.00	19.07569	0	4.05875	£0
0.075	IGRA+TST	£77.91	£0.00	19.07568	0	4.08409	£0
0.09	IGRA+TST	£78.39	£0.00	19.07568	0	4.10945	£0
0.105	IGRA+TST	£78.87	£0.00	19.07568	0	4.13484	£0
0.12	IGRA+TST	£79.36	£0.00	19.07568	0	4.16025	£0
0.135	IGRA+TST	£79.84	£0.00	19.07568	0	4.18568	£0
0.15	IGRA+TST	£80.33	£0.00	19.07568	0	4.21115	£0
0.015	IGRA	£98.64	£22.66	19.07714	0.00146	5.17048	£15,573
0.03	IGRA	£99.32	£22.86	19.07714	0.00145	5.20633	£15,716
0.045	IGRA	£100.01	£23.07	19.07714	0.00145	5.24219	£15,859
0.06	IGRA	£100.69	£23.27	19.07714	0.00145	5.27807	£16,002
0.075	IGRA	£101.38	£23.47	19.07714	0.00145	5.31398	£16,144
0.09	IGRA	£102.06	£23.67	19.07714	0.00145	5.34991	£16,287
0.105	IGRA	£102.75	£23.87	19.07714	0.00145	5.38586	£16,430
0.12	IGRA	£103.43	£24.07	19.07713	0.00145	5.42184	£16,574
0.135	IGRA	£104.12	£24.28	19.07713	0.00145	5.45785	£16,717
0.15	IGRA	£104.81	£24.48	19.07713	0.00145	5.49388	£16,860

3h		Incremental		Incremental		Cost / Eff	ICER
Repeat Rate	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.025	IGRA+TST	£74.95	£0.00	19.07542	0	3.92919	£0
0.05	IGRA+TST	£75.23	£0.00	19.07546	0	3.94368	£0
0.075	IGRA+TST	£75.50	£0.00	19.07551	0	3.95817	£0
0.1	IGRA+TST	£75.78	£0.00	19.07555	0	3.97267	£0
0.125	IGRA+TST	£76.06	£0.00	19.0756	0	3.98716	£0
0.15	IGRA+TST	£76.33	£0.00	19.07564	0	4.00165	£0
0.175	IGRA+TST	£76.61	£0.00	19.07569	0	4.01615	£0
0.2	IGRA+TST	£76.89	£0.00	19.07573	0	4.03064	£0
0.225	IGRA+TST	£77.16	£0.00	19.07578	0	4.04513	£0
0.25	IGRA+TST	£77.44	£0.00	19.07583	0	4.05962	£0
0.025	IGRA	£99.52	£24.57	19.07714	0.00172	5.2166	£14,242
0.05	IGRA	£99.52	£24.29	19.07714	0.00168	5.2166	£14,462
0.075	IGRA	£99.52	£24.01	19.07714	0.00163	5.2166	£14,695
0.1	IGRA	£99.52	£23.74	19.07714	0.00159	5.2166	£14,942
0.125	IGRA	£99.52	£23.46	19.07714	0.00154	5.2166	£15,202
0.15	IGRA	£99.52	£23.18	19.07714	0.0015	5.2166	£15,479
0.175	IGRA	£99.52	£22.91	19.07714	0.00145	5.2166	£15,773
0.2	IGRA	£99.52	£22.63	19.07714	0.00141	5.2166	£16,085
0.225	IGRA	£99.52	£22.35	19.07714	0.00136	5.2166	£16,419
0.25	IGRA	£99.52	£22.08	19.07714	0.00132	5.2166	£16,776

Suppl. Table 4
TST, IGRA Costs
TST £24

IGRA Cost	Strategy	Cost	Incremental		Incremental		ICER
			Cost	Effectiveness	Effectiveness	Cost / Eff	
	45 IGRA+TST	£86.07	£0.00	19.07569	0	4.51183	£0
	55 IGRA+TST	£89.71	£0.00	19.07569	0	4.70303	£0
	65 IGRA+TST	£93.36	£0.00	19.07569	0	4.89423	£0
	75 IGRA+TST	£97.01	£0.00	19.07569	0	5.08543	£0
	85 IGRA+TST	£100.66	£0.00	19.07569	0	5.27663	£0
	95 IGRA+TST	£104.30	£0.00	19.07569	0	5.46784	£0
	45 IGRA	£99.75	£13.68	19.07714	0.00145	5.22853	£9,404
	55 IGRA	£110.09	£20.37	19.07714	0.00145	5.7707	£14,006
	65 IGRA	£120.43	£27.07	19.07714	0.00145	6.31287	£18,609
	75 IGRA	£130.77	£33.77	19.07714	0.00145	6.85503	£23,212
	85 IGRA	£141.12	£40.46	19.07714	0.00145	7.3972	£27,815
	95 IGRA	£151.46	£47.16	19.07714	0.00145	7.93937	£32,418

IGRA Cost	Strategy	Cost	Incremental		Incremental		ICER
			Cost	Effectiveness	Effectiveness	Cost / Eff	
	45 IGRA+TST	£100.15	£0.41	19.07569	-0.00145	5.25017	-£278
	55 IGRA+TST	£103.80	£0.00	19.07569	0	5.44137	£0
	65 IGRA+TST	£107.45	£0.00	19.07569	0	5.63257	£0
	75 IGRA+TST	£111.09	£0.00	19.07569	0	5.82377	£0
	85 IGRA+TST	£114.74	£0.00	19.07569	0	6.01498	£0
	95 IGRA+TST	£118.39	£0.00	19.07569	0	6.20618	£0
	45 IGRA	£99.75	£0.00	19.07714	0	5.22853	£0
	55 IGRA	£110.09	£6.29	19.07714	0.00145	5.7707	£4,324
	65 IGRA	£120.43	£12.99	19.07714	0.00145	6.31287	£8,927
	75 IGRA	£130.77	£19.68	19.07714	0.00145	6.85503	£13,530
	85 IGRA	£141.12	£26.38	19.07714	0.00145	7.3972	£18,133
	95 IGRA	£151.46	£33.07	19.07714	0.00145	7.93937	£22,736

IGRA Cost	Strategy	Cost	Incremental		Incremental		ICER
			Cost	Effectiveness	Effectiveness	Cost / Eff	
	45 IGRA+TST	£114.23	£14.49	19.07569	-0.00145	5.98851	-£9,960
	55 IGRA+TST	£117.88	£7.79	19.07569	-0.00145	6.17971	-£5,358
	65 IGRA+TST	£121.53	£1.10	19.07569	-0.00145	6.37092	-£755
	75 IGRA+TST	£125.18	£0.00	19.07569	0	6.56212	£0
	85 IGRA+TST	£128.82	£0.00	19.07569	0	6.75332	£0
	95 IGRA+TST	£132.47	£0.00	19.07569	0	6.94452	£0
	45 IGRA	£99.75	£0.00	19.07714	0	5.22853	£0
	55 IGRA	£110.09	£0.00	19.07714	0	5.7707	£0
	65 IGRA	£120.43	£0.00	19.07714	0	6.31287	£0
	75 IGRA	£130.77	£5.60	19.07714	0.00145	6.85503	£3,848
	85 IGRA	£141.12	£12.29	19.07714	0.00145	7.3972	£8,451
	95 IGRA	£151.46	£18.99	19.07714	0.00145	7.93937	£13,054

Suppl. Table 5

Market Costs		Model					
Sensitivity		Analysis					
5a		Incremental		Incremental			
IGRA Specificity	Strategy	Cost	Cost	Effectiveness	Effectiveness	Cost / Eff	ICER
0.9	IGRA+TST	£132.12	£0.00	19.07438	0	6.92651	£0
0.91	IGRA+TST	£131.48	£0.00	19.07455	0	6.89304	£0
0.92	IGRA+TST	£130.85	£0.00	19.07471	0	6.85966	£0
0.93	IGRA+TST	£130.21	£0.00	19.07487	0	6.8264	£0
0.94	IGRA+TST	£129.58	£0.00	19.07504	0	6.7933	£0
0.95	IGRA+TST	£128.96	£0.00	19.0752	0	6.76043	£0
0.96	IGRA+TST	£128.34	£0.00	19.07536	0	6.72786	£0
0.97	IGRA+TST	£127.73	£0.00	19.07553	0	6.69576	£0
0.98	IGRA+TST	£127.13	£0.00	19.07569	0	6.66433	£0
0.99	IGRA+TST	£126.55	£0.00	19.07585	0	6.63402	£0
0.9	IGRA	£212.17	£80.05	19.07583	0.00144	11.12223	£55,483
0.91	IGRA	£203.90	£72.42	19.07599	0.00145	10.68868	£50,065
0.92	IGRA	£195.63	£64.79	19.07616	0.00145	10.25537	£44,688
0.93	IGRA	£187.38	£57.16	19.07633	0.00145	9.82238	£39,351
0.94	IGRA	£179.12	£49.54	19.07649	0.00145	9.38982	£34,050
0.95	IGRA	£170.89	£41.93	19.07666	0.00146	8.95781	£28,784
0.96	IGRA	£162.66	£34.32	19.07682	0.00146	8.5266	£23,551
0.97	IGRA	£154.46	£26.73	19.07698	0.00146	8.09655	£18,348
0.98	IGRA	£146.29	£19.16	19.07714	0.00145	7.66828	£13,173
0.99	IGRA	£138.18	£11.63	19.0773	0.00145	7.24303	£8,021

5b		Incremental		Incremental			
TST Specificity	Strategy	Cost	Cost	Effectiveness	Effectiveness	Cost / Eff	ICER
0.46	IGRA+TST	£145.44	£0.00	19.07556	0	7.6242	£0
0.5	IGRA+TST	£141.77	£0.00	19.07558	0	7.4322	£0
0.54	IGRA+TST	£138.11	£0.00	19.07561	0	7.2402	£0
0.58	IGRA+TST	£134.45	£0.00	19.07563	0	7.04823	£0
0.62	IGRA+TST	£130.79	£0.00	19.07566	0	6.85627	£0
0.66	IGRA+TST	£127.13	£0.00	19.07569	0	6.66433	£0
0.7	IGRA+TST	£123.47	£0.00	19.07571	0	6.47244	£0
0.74	IGRA+TST	£119.81	£0.00	19.07574	0	6.28059	£0
0.78	IGRA+TST	£116.15	£0.00	19.07576	0	6.08882	£0
0.82	IGRA+TST	£112.49	£0.00	19.07579	0	5.89716	£0
0.86	IGRA+TST	£108.84	£0.00	19.07582	0	5.70571	£0
0.46	IGRA	£146.01	£0.57	19.07717	0.00161	7.65349	£354
0.5	IGRA	£146.05	£4.27	19.07716	0.00158	7.65554	£2,701
0.54	IGRA	£146.09	£7.98	19.07716	0.00155	7.65794	£5,144
0.58	IGRA	£146.15	£11.70	19.07715	0.00152	7.66077	£7,694
0.62	IGRA	£146.21	£15.42	19.07715	0.00149	7.66416	£10,364
0.66	IGRA	£146.29	£19.16	19.07714	0.00145	7.66828	£13,173
0.7	IGRA	£146.39	£22.92	19.07713	0.00142	7.67343	£16,147
0.74	IGRA	£146.51	£26.71	19.07712	0.00138	7.68001	£19,325
0.78	IGRA	£146.68	£30.53	19.0771	0.00134	7.68874	£22,773
0.82	IGRA	£146.91	£34.42	19.07708	0.00129	7.70087	£26,608
0.86	IGRA	£147.25	£38.41	19.07705	0.00124	7.71886	£31,069

5c		Incremental		Incremental		Cost / Eff	ICER
TST Sensitivity	Strategy	Cost	Cost	Effectiveness	Effectiveness		
0.65	IGRA+TST	£127.84	£0.00	19.07536	0	6.70169	0
0.66	IGRA+TST	£127.70	£0.00	19.07543	0	6.69422	0
0.67	IGRA+TST	£127.55	£0.00	19.07549	0	6.68675	0
0.68	IGRA+TST	£127.41	£0.00	19.07556	0	6.67928	0
0.69	IGRA+TST	£127.27	£0.00	19.07562	0	6.6718	0
0.7	IGRA+TST	£127.13	£0.00	19.07569	0	6.66433	0
0.71	IGRA+TST	£126.98	£0.00	19.07575	0	6.65686	0
0.72	IGRA+TST	£126.84	£0.00	19.07582	0	6.64939	0
0.73	IGRA+TST	£126.70	£0.00	19.07588	0	6.64192	0
0.74	IGRA+TST	£126.56	£0.00	19.07594	0	6.63445	0
0.65	IGRA	£146.29	£18.46	19.07714	0.00178	7.66849	£10,385
0.66	IGRA	£146.29	£18.60	19.07714	0.00171	7.66845	£10,859
0.67	IGRA	£146.29	£18.74	19.07714	0.00165	7.66841	£11,369
0.68	IGRA	£146.29	£18.88	19.07714	0.00158	7.66837	£11,921
0.69	IGRA	£146.29	£19.02	19.07714	0.00152	7.66833	£12,520
0.7	IGRA	£146.29	£19.16	19.07714	0.00145	7.66828	£13,173
0.71	IGRA	£146.29	£19.30	19.07714	0.00139	7.66824	£13,885
0.72	IGRA	£146.29	£19.44	19.07714	0.00133	7.6682	£14,667
0.73	IGRA	£146.29	£19.59	19.07714	0.00126	7.66816	£15,529
0.74	IGRA	£146.29	£19.73	19.07714	0.0012	7.66812	£16,484

Suppl. table 6

Treatment		Incremental		Incremental		Cost / Eff	ICER
LTBI	Strategy	Cost	Cost	Effectiveness	Effectiveness		
£410	IGRA+TST	£113.97	£0.00	19.07569	0	5.97446	£0
£820	IGRA+TST	£127.16	£0.00	19.07569	0	6.66602	£0
£1,230	IGRA+TST	£140.35	£0.00	19.07569	0	7.35758	£0
£1,640	IGRA+TST	£153.54	£0.00	19.07569	0	8.04914	£0
£410	IGRA	£125.55	£11.58	19.07714	0.00145	6.58118	£7,963
£820	IGRA	£146.34	£19.18	19.07714	0.00145	7.67094	£13,185
£1,230	IGRA	£167.13	£26.78	19.07714	0.00145	8.7607	£18,408
£1,640	IGRA	£187.92	£34.38	19.07714	0.00145	9.85046	£23,631

TB		Incremental		Incremental		Cost / Eff	ICER
Strategy	Cost	Cost	Effectiveness	Effectiveness			
£2,454	IGRA+TST	£120.59	£0.00	19.07569	0	6.32187	£0
£4,908	IGRA+TST	£127.13	£0.00	19.07569	0	6.66433	£0
£7,362	IGRA+TST	£133.66	£0.00	19.07569	0	7.0068	£0
£9,816	IGRA+TST	£140.19	£0.00	19.07569	0	7.34926	£0
£2,454	IGRA	£141.49	£20.89	19.07714	0.00145	7.41647	£14,361
£4,908	IGRA	£146.29	£19.16	19.07714	0.00145	7.66828	£13,173
£7,362	IGRA	£151.09	£17.43	19.07714	0.00145	7.9201	£11,984
£9,816	IGRA	£155.90	£15.70	19.07714	0.00145	8.17191	£10,796

Hepatitis		Incremental		Incremental		Cost / Eff	ICER
Strategy	Cost	Cost	Effectiveness	Effectiveness			
£378	IGRA+TST	£126.81	£0.00	19.07569	0	6.64749	£0
£755	IGRA+TST	£127.13	£0.00	19.07569	0	6.66433	£0
£1,133	IGRA+TST	£127.45	£0.00	19.07569	0	6.68118	£0
£1,510	IGRA+TST	£127.77	£0.00	19.07569	0	6.69802	£0
£378	IGRA	£145.97	£19.16	19.07714	0.00145	7.65148	£13,173
£755	IGRA	£146.29	£19.16	19.07714	0.00145	7.66828	£13,173
£1,133	IGRA	£146.61	£19.16	19.07714	0.00145	7.68509	£13,172
£1,510	IGRA	£146.93	£19.16	19.07714	0.00145	7.70189	£13,172

Suppl. Table 7 Monte Carlo Probability Sensitivity Analysis						Average	Reference No.
Variable	Distribution	Minimum	Peak/Mode	Maximum	Value		
1. TB prevalence	Triangular	0.0001	0.0004	0.0010	0.0005	HPA 2010	21
2. LTBI prevalen	Triangular	0.010	0.035	0.100	0.0483	Schablon 2	20
3. TST specificity	Triangular	0.46	0.66	0.86	0.66	Menzies 2C	15
4. IGRA specifici	Triangular	0.950	0.980	0.998	0.976		17, 30
5. IGRA cost	Triangular	£30.00	£90.00	£120.00	£80.00	see text	
6. TST cost	Triangular	£16.00	£45.00	£64.00	£41.67	see text	
7. TB treatment c	Triangular	£2,454.00	£4,908.00	£9,816.00	£5,726.00	see text	
8. LTBI treatmen	Triangular	£409.50	£819.00	£1,638.00	£955.50	see text	
9. TST sensivity	Triangular	0.65	0.71	0.74	0.70	Menzies 2C	15
10. IGRA sensiti	Triangular	0.86	0.9	0.93	0.897	Pai 2008	5
11. TST repeat r	Triangular	0.07	0.175	0.35	0.215	see text	
12. IGRA repeat	Triangular	0.017	0.035	0.070	0.040	see text	