

Supplementary Materials:

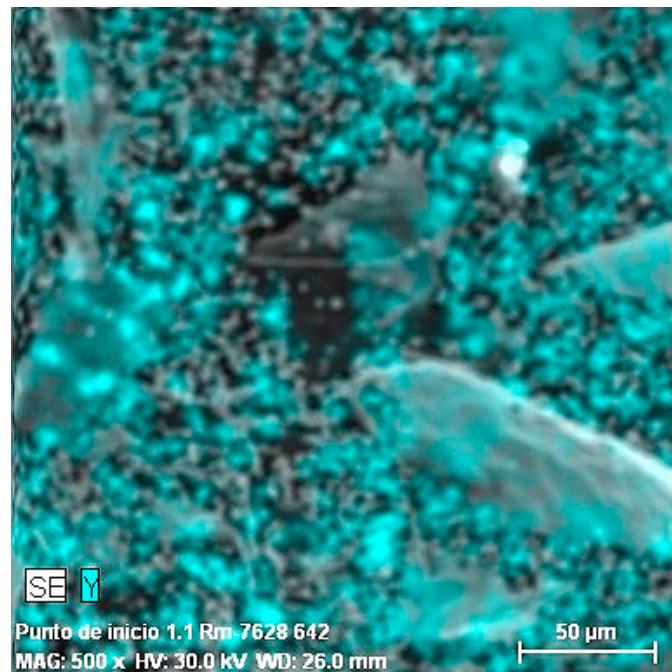


Figure S1. CRT powder SEM image.

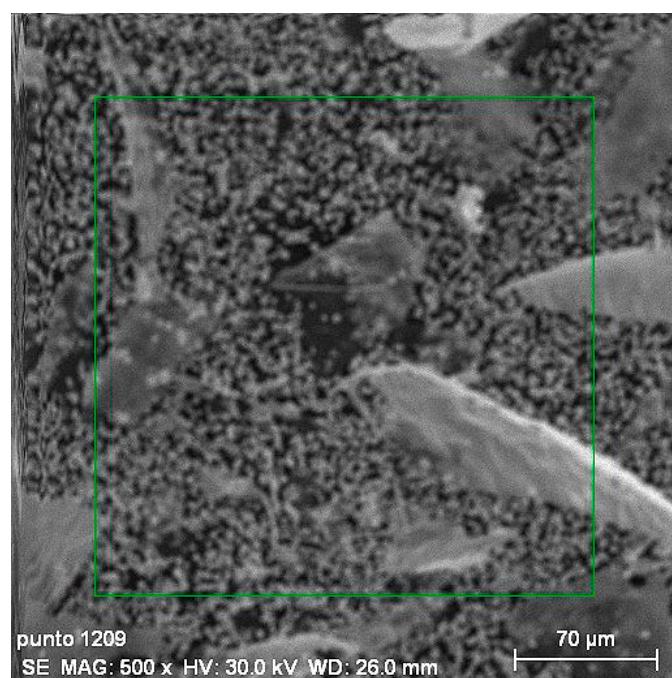


Figure S2. Yttrium oxide SEM image.

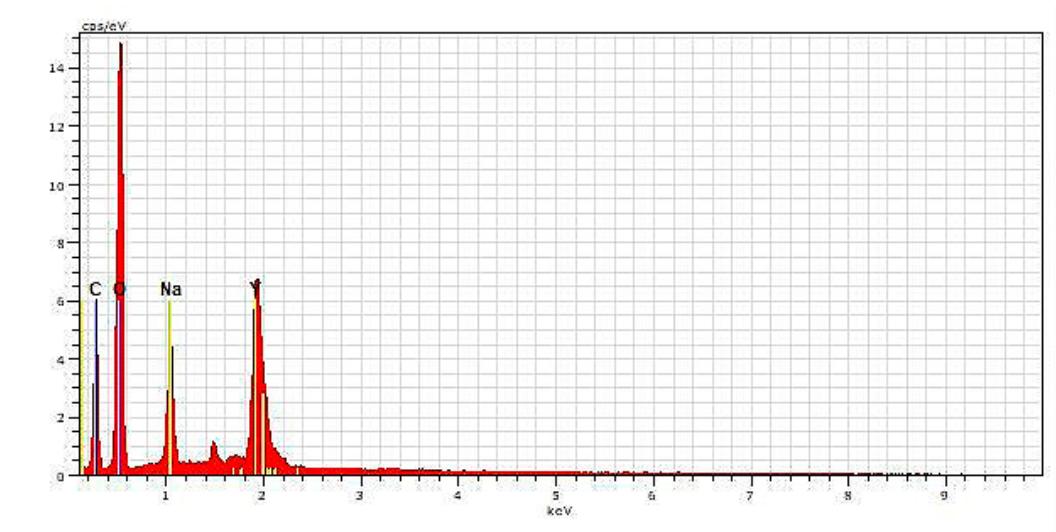


Figure S3. Yttrium oxide chemical characterization with SEM.

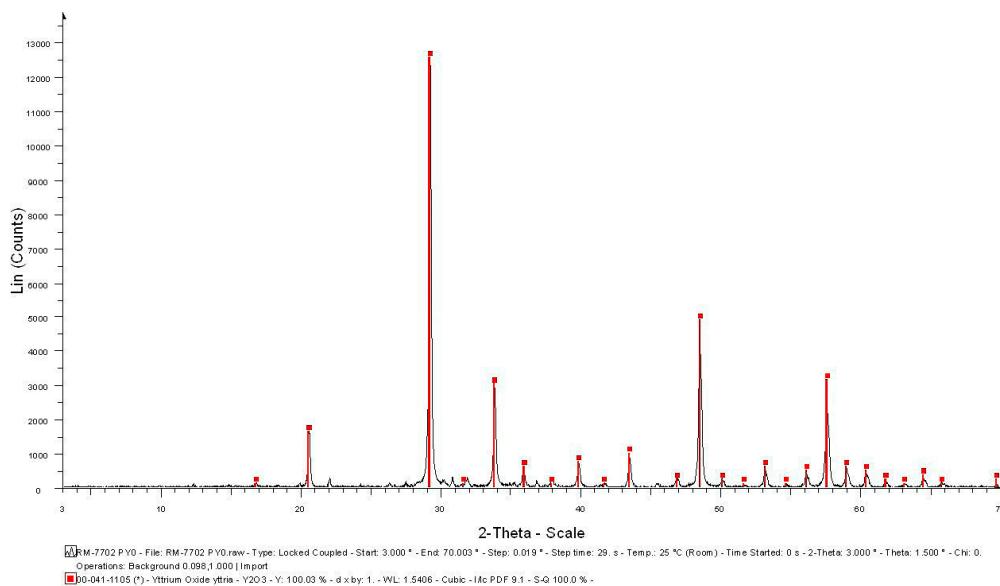


Figure S4. Yttrium oxide diffractogram obtained after calcination.

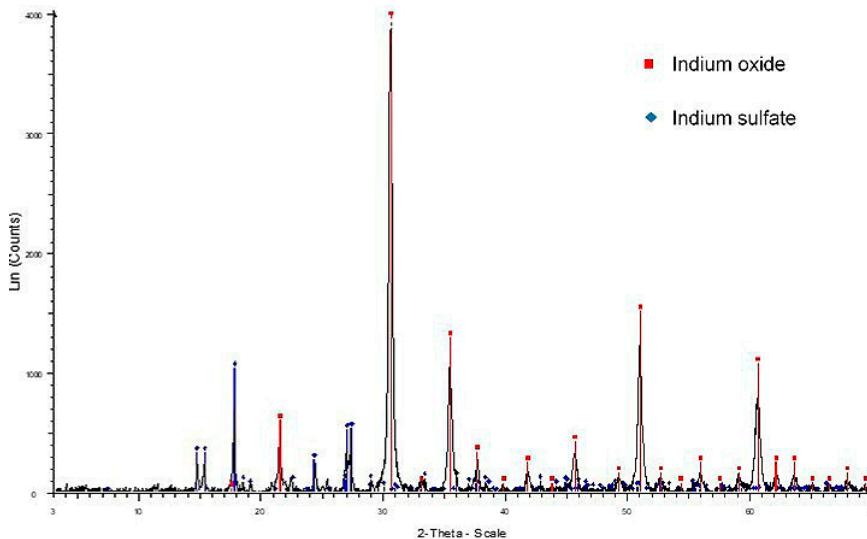


Figure S5. Indium oxide diffractogram obtained after calcination.

Table S1. Yttrium oxide characterization

El	AN	Series	unn.	C Norm. [wt.%]	C Atom. [wt.%]	C Error [at.%]	(1 Sigma) [wt.%]
O	8	K-series	31.35	43.12	54.64		3.79
Y	39	L-series	22.59	31.08	7.09		0.90
C	6	K-series	14.00	19.25	32.50		1.97
Na	11	K-series	4.76	6.55	5.78		0.31
Total			72.71	100.00	100.00		