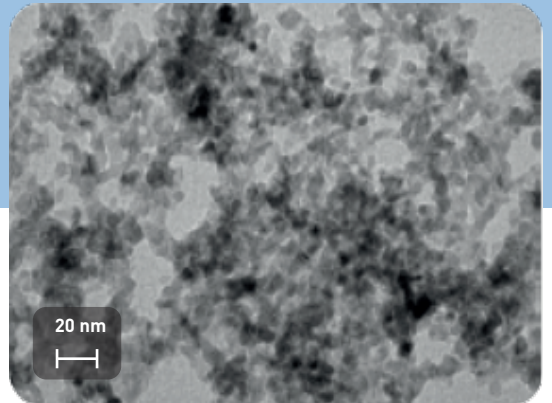


YTTRIUM STABILIZED ZIRCONIUM(IV)-OXIDE $Y-ZrO_2-70$



TEM of $Y-ZrO_2$

TECHNICAL DATA

PROPERTIES		TESTING METHOD	
Specific surface area	(m ² /g)	70 ± 5	BET
Primary particle size	(nm)	15 - 20	TEM
Agglomerate size	(µm)	0.3 - 0.5	DLS
Colour		white	
Crystallographic phase		tetragonal	XRD
Purity	(wt.-%)	94,9 ZrO ₂ 5,1 Y ₂ O ₃	ICP
Bulk density	(kg/m ³)	100 - 200	

POTENTIAL APPLICATIONS

- Ceramics
- Bioceramic implants